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50-100
Binomial Tables

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Binomial Tables

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TABLE OF INDIVIDUAL AND CUMULATIVE
TERMS OF THE POINT BINOMIAL. $(q + p)^n$

n: 50 to 100, in steps of 5
p: .01 to .50, in steps of .01

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FOREWORD

The tables in this book will find many uses both within and outside the field of quality control, and the discussion of interpolation which is included should notably enhance that usefulness.

Effective inspection plans are corollary to the quality control of manufactured products, and such plans can be determined only after evaluation of the probabilities connected with the various sampling procedures used. In making such evaluations, it has been necessary in the past to use approximate values of the p binomial. The exact values in these tables will afford a welcome substitute for such approximate values.

Dr. Romig's many contributions to the field of sampling inspection are well known, and it is particularly appropriate that he should now provide us the probability values necessary to the working out of sampling plans. He and his associates at Bell Telephone Laboratories are to be commended for the useful form in which they have presented these tables.

G. D. EDWARDS

Director of Quality Assurance
Bell Telephone Laboratories

PREFACE

This volume presents tables for the positive binomial $(q + p)^n$, where $q = 1 - p$, and covers the range of n values from 50 to 100 in steps of 5 and the range of p values from .01 to .99 in steps of .01. These tables, prepared while the author was associated with Bell Telephone Laboratories, give to six decimal places, the last doubtful, individual and cumulative probabilities for all values of x from 0 to n , where a six-place number exists. Each table for a particular set of n and p values is arranged in three columns, the first column designating the x value for which probability values listed in the second and third columns are given. The values in these columns are as follows:

Column 1: Value of x ,

Column 2: Individual Term—Probability of exactly x , and

Column 3: Cumulative (x or less)—Probability of x or less.

The cumulative values are summed from 0 to x . To obtain a probability value for x or more, read the cumulative value for $x - 1$ and subtract the value read in the third column from 1.

For n values from 2 to 49 Reference [1] derived from Reference [2] presents probability values of the same nature as these Tables, the two tables jointly covering the range from 2 to 100. Probability values for intermediate p values for both tables and for intermediate n values for these Tables require the use of exact or approximate interpolation relations. In other instances where probability values are known, some of the other variables may be unknown. The solution for these latter problems is termed inverse interpolation. A brief treatment of interpolation for p is given in Reference [1] and is included herein for both p and n . For more complete interpolation procedures including inverse interpolation other texts should be consulted.

These Tables were computed at Bell Telephone Laboratories on a General Purpose Digital Computer (now known as the Model 5 Bell Laboratories Computer). They were collated and issued in preliminary draft form in a copyrighted *Memorandum*, dated June 4, 1947. In papers prepared by E. G. Andrews and H. W. Bode describing the Computer, these Tables are mentioned as one of the practical results obtained from it. The preliminary draft was reviewed in Reference [3] by W. Feller of Princeton University when at Cornell University.

ACKNOWLEDGMENT

Thanks are extended to E. G. Andrews for his cooperation and assistance in computing these Tables; to H. Nyquist, John Riordan, and H. W. Bode for their aid in arranging for the project; to F. L. Alt of Aberdeen Proving Ground and his able assistant, Bettie Boyd, for setting up the project on the Computer; and to Alice G. Loe for checking all parts of these Tables, for computing some 5% of the tabular values which could not be completed by the Computing System because of limited availability, and for proof-reading parts of these Tables.

I am particularly indebted to G. D. Edwards and H. F. Dodge for fostering this project. My deepest appreciation is extended to Florence Shepard Briesmeister, Suzanne Campbell Ayres, Shirley M. Holt, and Elizabeth F. Lockey for assisting in the preparation and computation of examples for evaluating the different methods of interpolation; and to other members of the Quality Assurance Department of Bell Telephone Laboratories for guidance and cooperation.

My deepest thanks to Keet W. Halbert for his valuable criticism of the various interpolation methods; and to John Ulmschneider for compiling the three values of p on a page from the original layout of two values of p on a page.

I wish to express my appreciation to Professor H. O. Hartley of the University of London, for reviewing this work, and for his suggestions concerning the presentation of the material in two separate volumes, one giving the tables and a second covering interpolation given in Section 6 of the Introduction. I am deeply grateful to John Riordan of Bell Telephone Laboratories for developing many of the relations for exact interpolation, presented also in Section 6, which he has kindly granted me permission to use.

HARRY G. ROMIG

May 15, 1952
Los Angeles, California

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INTRODUCTION

1. The Binomial, General and Restricted Forms

Recent advances in statistical techniques and procedures have given rise to a demand for tables of the more commonly used functions for which no values, or only a limited number of values, have been tabulated. Among these functions is the positive binomial distribution. The general binomial $(a + b)^n$ has no restrictions placed on the values of a , b and n . These variables may be positive or negative, integral or fractional. Unless n is a positive integer, the resultant series is infinite. Placing the following restrictions on all three variables results in the positive binomial:

1. a and b are positive fractions whose sum is 1; and .
2. n is a positive integer.

This restricted binomial is generally written as $(q + p)^n$, where $q = 1 - p$, termed the positive binomial distribution, for which the sum of all the $n + 1$ terms of the distribution is always 1. In its expanded form it is given as:

$$(q + p)^n = q^n + \frac{n}{1!} q^{n-1} p + \frac{n(n-1)}{2!} q^{n-2} p^2 + \dots + p^n. \quad (1)$$

The general term is written as:

$$P_{m,n} = C_m^n (1 - p)^{n-m} p^m. \quad (2)$$

Cumulatively this may be written:

$$\sum_{m=0}^{\infty} P_{m,n} = \sum_{m=0}^{\infty} C_m^n (1 - p)^{n-m} p^m. \quad (2')$$

The positive binomial distribution differs in its properties from the negative binomial described in References [4], [5], [6] and [7] and is used most commonly. Hereinafter, it is termed simply the binomial, for which probability values are provided by these 50-100 binomial tables. The binomial is also used to approximate many frequency distributions not satisfying all the conditions of a binomial distribution.

The binomial is not continuous, but consists of $n + 1$ finite terms. Since tables for the binomial cover only a restricted range of n and p values, approximation relations have been used to represent both individual and cumulative values, often with considerable

error. The normal distribution and the Poisson exponential distribution are often used as such approximations for certain regions of n and p , the normal where $p \approx .50$ and the Poisson where p is small, say less than .05.

2. Related Distributions Covered by These Tables over a Limited Range

Another distribution, the terms of which require a large amount of computation, is the hypergeometric, whose individual term is

$$P_{m,n;M,N} = \frac{1}{C_n^N} C_{n-m}^{N-M} C_m^M, \quad (3)$$

and whose cumulative term covering the entire distribution is

$$\sum_{m=0}^M P_{m,n;M,N} = \frac{1}{C_n^N} \sum_{m=0}^M C_{n-m}^{N-M} C_m^M, \quad (3')$$

where account is taken of the finite universe from which samples n are selected and $M = pN$. Discussions of this distribution are given in References [5] and [6]. When p is not large, a good approximation to the hypergeometric is provided by the so-called "f binomial," presented in Reference [8], p. 44, Equation (11). Its equation for an individual term is

$$P_{m,M,f} = C_m^M (1-f)^{M-m} f^m, \quad (4)$$

and whose cumulative term covering the entire distribution is

$$\sum_{m=0}^M P_{m,M,f} = \sum_{m=0}^M C_m^M (1-f)^{M-m} f^m, \quad (4')$$

where $f = n/N$ and $M = pN$. Probability values for the f binomial distribution may be determined directly from these Binomial Tables by entering them using the following substitutions:

Symbol in f binomial:	M	f	m
Symbol for entering table:	n	p	x

Prior to the publication of the Binomial Tables, Reference [1], probability values for the binomial for $n = 2$ to 49 were obtained from the "Tables of the Incomplete Beta-Function," Reference [2], by suitable substitutions. These Binomial Tables as well as those in Reference [1] may be used to obtain additional values of the Incomplete Beta-

Function if corresponding values of the Complete Beta-Function are available. Binomial probability values provide values of the ratio

$$I_x(p, q) = \frac{B_x(p, q)}{B(p, q)}, \quad (5)$$

where $B_x(p, q)$ is the Incomplete Beta-Function

$$B_x(p, q) = \int_0^x x^{p-1} (1-x)^{q-1} dx, \quad (6)$$

and $B(p, q)$ is the Complete Beta-Function

$$B(p, q) = \int_0^1 x^{p-1} (1-x)^{q-1} dx. \quad (6')$$

A useful recurrence formula for $I_x(p, q)$ is,

$$I_x(p, q) = x I_x(p-1, q) + (1-x) I_x(p, q-1). \quad (5')$$

In the above the notation of Reference [2] is used. Using the binomial notation, the relationship between the functions is as follows:

$$\begin{aligned} \sum_{m=0}^x C_m^n q^{n-m} p^m &= \frac{n!(n-x)}{(n-x)!x!} B_q(n-x, x+1) \\ &= \frac{n!}{(n-x-1)!x!} \int_0^q y^{n-x-1} (1-y)^x dy. \end{aligned} \quad (7)$$

The coefficient of the Incomplete Beta-Function may be written as

$$\frac{n!}{(n-x-1)!x!} = \frac{\Gamma(n+1)}{\Gamma(n-x)\Gamma(x+1)} = \frac{1}{B(n-x, x+1)} = \frac{1}{\int_0^1 y^{n-x-1} (1-y)^x dy}. \quad (7a)$$

The binomial and the ratio of the Incomplete Beta-Function to the complete Beta-Function are related as follows:

$$\sum_{m=0}^x C_m^n q^{n-m} p^m = \frac{B_q(n-x, x+1)}{B(n-x, x+1)} = I_q(n-x, x+1). \quad (7')$$

The notation of Reference [2] for the ratio $I_x(p, q)$ and its related functions uses the same letters as the binomial with different meanings, hence in this text a subscript I is attached to the symbols p, q, x and P related to the Ratio, and a subscript B is attached

to the symbols n, x, p and P related to the Binomial. In using these Tables for the determination of $I_x(p, q)$ the relations between these two sets of variables are:

$$\begin{array}{l} q_1 \leq p_1 \\ \hline n_B = p_1 + q_1 - 1 \\ x_B = q_1 - 1 \\ p_B = 1 - x_1 \\ P_B = P_1 \end{array}$$

$$\begin{array}{l} q_1 \geq p_1 \\ \hline n_B = p_1 + q_1 - 1 \\ x_B = p_1 - 1 \\ p_B = x_1 \\ P_B = 1 - P_1 \end{array}$$

3. Notation for Binomial

The following notations are used to represent the probabilities for individual terms and cumulative values of the binomial. The general term for the probability of the occurrence of exactly x events in n trials, where p is the probability of the occurrence of the event in a single trial and $q = 1 - p$, is

$$b(x, n, p) = P_{x, n, p} = C_x^n q^{n-x} p^x, \quad (8)$$

an individual term of the binomial distribution. The relation for determining the value of the cumulative sum of $x + 1$ terms from 0 to x , inclusive, that is, the probability of the occurrence of x or less events in n trials, is

$$B(x, n, p) = P_{x \text{ or less, } n, p} = \sum_{m=0}^x C_m^n q^{n-m} p^m. \quad (9)$$

The relation for determining the probability of the occurrence of more than x events is

$$B'(x, n, p) = 1 - B(x, n, p) = P_{\text{more than } x, n, p} = \sum_{m=x+1}^n C_m^n q^{n-m} p^m. \quad (10)$$

Cumulative probabilities are often expressed in terms of x or more. No special notation for such a cumulative probability is given herein, but its relation is

$$1 - B(x - 1, n, p) = P_{x \text{ or more, } n, p} = \sum_{m=x}^n C_m^n q^{n-m} p^m. \quad (11)$$

For many years, it has been necessary to compute these values, when required. Tables to simplify such computations have been published, such as Reference [9]. Tables of the Poisson exponential, the most extensive being Reference [10], have been used to

provide approximate binomial probability values where time to compute the binomials themselves was not available.

4. Description of These Tables

Procedure Used in their Computation

Part of the trial for the General Purpose Digital Computer (Model 5 Bell Laboratories Computer) consisted in computing both the individual and cumulative values of the binomial distribution. Tapes for use in the Computer were made for such computations using a Recursive Method. The term $q^n = (1 - p)^n$ was first determined, it being the probability value for $x = 0$ for a given value of n and p . The term for $x = 1$, the next successive term was found by multiplying q^n by $n \frac{p}{q}$, each succeeding term being obtained from the previous term by using the proper factor as a multiplier. Each succeeding individual term was determined by the relation

$$b(x + 1, n, p) = \frac{n - x}{x + 1} \frac{p}{q} b(x, n, p). \quad (12)$$

Error

This Recursive Method, due to opportunities for cumulative errors, gives values that are good in the fifth decimal place, but may be in error by several units in the sixth decimal place. The cumulative values were obtained by summing the individual terms beginning with $x = 0$, listing the first value when an integer appears in the sixth place. For both Individual terms and Cumulative values, these Tables give the sixth place, but this last figure is doubtful. The Cumulative values indicate this fact since the sum may be greater or less than 1.000000 by a few units, but it is not known what terms are in error in the sixth place. In these Tables, three values conclude at .999994, ten values at .999995 and one value at 1.000003. The balance of these Tables have terminating values in the range .999996 to 1.000002, inclusive.

These Tables as computed and typed originally had only two values of p per page. A table for one p value consists of individual and cumulative probability values corresponding to x , the cumulation being from 0 to x , inclusive. With two values of p per page, these probabilities for a given n were obtained line by line for $x = 0, 1, 2, \dots$ by computing probability values for $p = .01$ and then for $p + .01 = .02$. When these two tables were completed, the next page covering $p = .03$ and $.04$ was computed. This process was continued until $p = .50$ was reached. Computations then proceeded in the same manner for

$n + 5$, $n + 10$, etc. The first n covered was $n = 50$. In these computations, relation (12) was modified to the more useful form

$$b(x, n, p) = \frac{n - x + 1}{x} \frac{p}{q} b(x - 1, n, p). \quad (13)$$

Although all computations followed the pattern above starting with $x = 0$, typed values are not given for some of the smaller x values, such as 0, 1, 2, where cumulative values and individual values have only zeros in the six places, i.e., .000000, and are also not given for some of the larger x values less than n where the individual terms again have zeros in the six places, at which x value tables terminate even though their cumulative sum is not 1.000000, usually being smaller but occasionally being larger as noted under Error above.

Arrangement of These Tables

Eleven n values are covered, 50, 55, ..., 95, 100, and for each n value, individual and cumulative binomial probability values are listed for 50 p values, .01, .02, .03, ..., .49, .50. For each table covering an n and p value are listed three columns:

Column 1 is headed "x";

Column 2 is headed "Individual Term"; and

Column 3 is headed "Cumulative (x or less)."

Each page of these Tables lists the n value, such as 65, and three headings for p since at least three complete tables are given on one page as far as possible, $p = .01, .02$, and $.03$ going together followed by $p = .04, .05$ and $.06$, and so on. Where comparatively only a few x values are covered by the three p values covered, a page may present six tables rather than three tables.

5. Directions for Use of These Tables

Summarized Guide

The tabulations below indicate the notation used in describing these probability values and their form for use in obtaining values for not only the p binomial, but also for the f binomial and the Incomplete Beta-Function Ratio.

p Binomial, $(q + p)^n$

n = number of units—sample size, lot size, or parameter corresponding to binomial n .

x = term or cumulated terms covered.

p = fraction defective or ratio involved.

$q = 1 - p$ = fraction non-defective or the "reciprocal ratio" involved.

b = notation designating individual term of binomial.

B = notation designating cumulative values of binomial summing from 0 to x , inclusive.

B' = notation designating cumulative values of binomial summing from $x + 1$ to n , inclusive.

f Binomial, $[(1 - f) + f]^M$

$f = \frac{n}{N}$ = ratio of sample size to lot size, often considered as fraction inspected.

N = lot size, where n = sample size.

$M = pN$ = number of defectives in lot of size N .

f Binomial—Approximation to Hypergeometric

The f binomial is used to provide probability values that closely approximate the hypergeometric probabilities in certain areas for m , n , M , N and p , where $f = \frac{n}{N}$. In other areas, the p binomial covered directly by these Tables in certain regions provides approximate probabilities for the hypergeometric and is often used directly. The table below lists the relations for the f binomial in the general binomial notation for both individual and cumulative values.

Values of x , n , p for entry in the Tables to obtain P

Condition	Individual	Cumulative		
		x or less	more than x	x or more
p Binomial				
$p \leq .50$	$b(x, n, p)$	$B(x, n, p)$	$1 - B(x, n, p)$	$1 - B(x - 1, n, p)$
$p \geq .50$	$b(n - x, n, q)$	$1 - B(n - x - 1, n, q)$	$B(n - x - 1, n, q)$	$B(n - x, n, q)$
f Binomial				
$f \leq .50$	$b(x, M, f)$	$B(x, M, f)$	$1 - B(x, M, f)$	$1 - B(x - 1, M, f)$
$f \geq .50$	$b(M - x, M, 1 - f)$	$1 - B(M - x - 1, M, 1 - f)$	$B(M - x - 1, M, 1 - f)$	$B(M - x, M, 1 - f)$

50-100 BINOMIAL TABLES

Ratio of Incomplete Beta-Function to Complete Beta-Function: $I_x(p, q)$

Detailed relations are given in Section 2 together with the correspondence between the binomial variables n_B , x_B , p_B , q_B , P_B and the variables p_I , q_I , x_I , P_I for the Incomplete Beta-Function Ratio. In the table below are listed the relations that are to be used to give the probabilities P_I in terms of the binomial notation for cumulative values.

Values of x_B , n_B , p_B for entry in the Tables to obtain P_I

Condition	$q_I \leq p_I^*$	$q_I \geq p_I^*$
$x_I \leq .50$	$1 - B(p_I - 1, p_I + q_I - 1, x_I)$	$1 - B(p_I - 1, p_I + q_I - 1, x_I)$
$x_I \geq .50$	$B(q_I - 1, p_I + q_I - 1, 1 - x_I)$	$B(q_I - 1, p_I + q_I - 1, 1 - x_I)$

*Relations are identical for $q_I \leq p_I$ and $q_I \geq p_I$.

Procedure and Examples **$p \leq .50$, Individual Term**

At the top of each table is given the n and p values covered by that table. The first column for each p value lists the x value and the second column gives the probability value for each individual term (value of x). This value may be read directly.

Example: For $x = 20$, $n = 65$, $p = .28$, determine the probability of the occurrence of exactly 20 events, i.e., $b(x, n, p) = b(20, 65, .28) = ?$

Solution: Enter these Tables at $n = 65$ and $p = .28$. For this particular table in line with $x = 20$ in the first column, read in the adjacent second column

$$b(20, 65, .28) = \underline{.094519}.$$

 $p \leq .50$, Cumulative Value— x or less

The third column gives directly the probability for x or less and is so headed. Following the procedure above for individual terms, enter these Tables for the designated n and p values. From the particular table thus selected, corresponding to the designated x value, read directly in the third column the probability value for $B(x, n, p)$.

Example: For $x = 4$, $n = 75$, $p = .04$, determine the probability of the occurrence of 4 or less events, i.e., $B(x, n, p) = B(4, 75, .04) = ?$

Solution: Enter these Tables at $n = 75$ and $p = .04$. For this particular table in line with $x = 4$ in the first column, read in the next adjacent third column

$$B(4, 75, .04) = .818752.$$

$p \leq .50$, Cumulative Value—more than x

The case where the probability is desired for the occurrence of more than x events is related to the case for x or less by the relation $B'(x, n, p) = 1 - B(x, n, p)$ per equation (10). The procedure to be followed is that for x or less above with the additional step that the probability as read must be subtracted from 1 to give the desired probability value.

Example: For $x = 4$, $n = 75$, $p = .04$, determine the probability of the occurrence of more than 4 events, i.e., $B'(x, n, p) = B'(4, 75, .04) = ?$

Solution: Enter these Tables at $n = 75$ and $p = .04$. For this particular table in line with $x = 4$ in the first column, read in the next adjacent third column $B(4, 75, .04) = .818752$. Then

$$B'(4, 75, .04) = 1 - B(4, 75, .04) = 1 - .818752 = .181248.$$

 $p \leq .50$, Cumulative Value— x or more

$$B'(x, n, p) = 1 - B(x, n, p) = n! (n-x)!$$

This case is similar to the one above except that the individual probability value corresponding to x itself has been added. The probability desired is for the occurrence of x or more events in sample n . Equation (11) give $1 - B(x - 1, n, p)$ to represent this cumulative probability. The procedure to be followed is that for x or less above except that $x - 1$ is substituted for x .

Example: For $x = 18$, $n = 90$, $p = .16$, determine the probability of the occurrence of 18 or more events, i.e., $1 - B(x - 1, n, p) = 1 - B(17, 90, .16) = ?$

Solution: Enter these Tables at $n = 90$ and $p = .16$. For this particular table in line with $x - 1 = 17$ under the x column, read in the next adjacent third column $B(17, 90, .16) = .815643$. Then

$$1 - B(17, 90, .16) = 1 - .815643 = .184357.$$

 $p > .50$, Individual Term

The summary table in this section provides the transformation $b(x, n, p) = b(n - x, n, q)$ that applies. The procedure for $p \leq .50$ for an individual term applies with $n - x$ replacing x and q replacing p .

Example: For $x = 45$, $n = 70$, $p = .70$, determine the probability of the occurrence of exactly 45 events, i.e., $b(x, n, p) = b(45, 70, .70) = ?$

Solution: Since $b(45, 70, .70)$ is not given directly in these Tables, its form is changed to $b(n - x, n, q) = b(25, 70, .30)$ which does occur. For $n = 70$, $p = .30$, in line with

$x = 25$ in first column, read in the adjacent second column $b(25,70,.30) = .058531$. Then

$$b(45,70,.70) = b(25,70,.30) = \underline{.058531}.$$

$p > .50$, Cumulative Value— x or less

The transformation for determining the probability for x or less events when $p > .50$ as given in the summary table is $B(x,n,p) = 1 - B(n - x - 1, n, q) = B'(n - x - 1, n, q)$. Since $q = 1 - p$, this transformation makes it possible to read a value in these Tables, which, when subtracted from 1, gives the desired probability value.

Example: For $x = 50$, $n = 80$, $p = .65$, determine the probability of the occurrence of 50 or less events, i.e., $B(x,n,p) = B(50,80,.65) = ?$

Solution: Using the above transformation $B(50,80,.65) = 1 - B(29,80,.35)$. Enter these Tables at $n = 80$, $p = .35$ and read in the third column, corresponding to $x = 29$, $B(29,80,.35) = .641170$. Then

$$B(50,80,.65) = 1 - B(29,80,.35) = 1 - .641170 = \underline{.358830}.$$

$p > .50$, Cumulative Value—more than x

The transformation in the summary table for this case where $p > .50$ is $B'(x,n,p) = 1 - B(x,n,p) = B(n - x - 1, n, q)$. Substitute $n - x - 1$ for x and $q = 1 - p$ for p and read directly from these Tables for the cumulative (x or less) column the corresponding probability value.

Example: For $x = 37$, $n = 60$, $p = .85$, determine the probability of the occurrence of more than 37 events, i.e., $1 - B(37,60,.85) = ?$

Solution: Using the transformation above, $1 - B(37,60,.85) = B(22,60,.15)$. Enter these Tables for $n = 60$, $p = .15$ and read in the third column corresponding to $x = 22$, $B(22,60,.15) = .999992$. Then

$$B'(37,60,.85) = 1 - B(37,60,.85) = B(22,60,.15) = \underline{.999992}.$$

$p > .50$, Cumulative Value— x or more

For this case, the individual value for x is added to the cumulative value in the preceding case. The transformation in the summary table for this case where $p > .50$ is $B'(x - 1, n, p) = 1 - B(x - 1, n, p) = B(n - x, n, q)$. Substitute $n - x$ for x and $q = 1 - p$ for p and read directly from these Tables for the cumulative (x or less) column the corresponding probability value.

Example: For $x = 60$, $n = 75$, $p = .75$, determine the probability of the occurrence of 60 or more events, i.e., $1 - B(59, 75, .75) = ?$

Solution: Using the transformation above, $1 - B(59, 75, .75) = B(15, 75, .25)$. Enter the Tables for $n = 75$, $p = .25$ and read in the third column corresponding to $x = 15$, $B(15, 75, .25) = .194592$. Then

$$1 - B(59, 75, .75) = B(15, 75, .25) = \underline{.194592}.$$

6. Interpolation

These Tables provide probability values for n values in steps of 5 for $n = 50$ to 100 and p values in steps of .01 for $p = .01$ to $.50$, while Reference [1] provides similar probabilities for n values in steps of 1 for $n = 2$ to 49, and p values from .01 to .50 in steps of .01 also. In these Tables, interpolation is necessary for both n and p and for p only in Reference [1] for the binomial. Reference [1] provides a system of interpolation for p that may also be used in these Tables. A companion volume to these Tables is to be published, covering in detail the various methods of interpolation with examples.

Some relations for exact interpolation for the Incomplete Beta-Function are given by T. A. Bancroft in Reference [11]. By proper transformations, these may be applied to the binomial. I am indebted to John Riordan of Bell Telephone Laboratories for many of the exact relations given below. Relations (18), (19) and (23) were provided by Professor H. O. Hartley, University of London.

Exact Interpolation

Interpolation For n

Individual Terms

$$b(x, n - 2, p) = \frac{(x + 2)(x + 1)}{p^2 n(n - 1)} b(x + 2, n, p). \quad (14)$$

$$b(x, n - 1, p) = \frac{x + 1}{p^n} b(x + 1, n, p). \quad (15)$$

$$b(x, n + 1, p) = qb(x, n, p) + pb(x - 1, n, p). \quad (16)$$

$$b(x, n + 2, p) = q^2 b(x, n, p) + 2qp b(x - 1, n, p) + p^2 b(x - 2, n, p). \quad (17)$$

$$b(x, n + h, p) = \sum_{i=0}^h b(i, h, p) b(x - i, n, p). \quad (18)$$

Cumulative Terms

$$B(x, n - 2, p) = B(x, n, p) + \frac{(x + 1)}{n(n - 1)q} [(1 + q)(n - 1) - x] [b(x + 1, n, p)]. \quad (19)$$

$$B(x, n - 1, p) = B(x, n, p) + \frac{x + 1}{n} b(x + 1, n, p). \quad (20)$$

$$B(x, n + 1, p) = qB(x, n, p) + pB(x - 1, n, p). \quad (21)$$

$$B(x, n + 2, p) = q^2B(x, n, p) + 2qpB(x - 1, n, p) + p^2B(x - 2, n, p). \quad (22)$$

$$B(x, n + h, p) = \sum_{i=0}^h b(i, h, p) B(x - i, n, p). \quad (23)$$

Interpolation For pIndividual Terms

$$b(x, n, p + r) = \left(\frac{p + r}{p}\right)^x \left(\frac{1 - p - r}{1 - p}\right)^{n-x} b(x, n, p). \quad (24)$$

For low accuracy interpolation, use

$$b(x, n, p + r) \approx \frac{1}{2} b(x, n, p) \left[1 + \left(1 + \frac{(x - pn)r}{pq} \right)^2 \right]. \quad (25)$$

For direct evaluation, use

$$\log b(x, n, p) = \log C_x^n + (n - x) \log q + x \log p. \quad (26)$$

Cumulative Terms

$$B(x, n, p + r) = B(x, n, p) - \frac{n - x}{q} b(x, n, p) \sum_{i=1}^{\infty} \frac{r^i}{i!} g_{i-1}(x, n - 1, p), \quad (27)$$

$$\text{where } g_0 = g_0(x, n - 1, p) = 1, \quad (27a)$$

$$g_1 = g_1(x, n - 1, p) = \frac{x}{p} - \frac{n - 1 - x}{q}, \quad (27b)$$

$$g_2 = g_2(x, n-1, p) = \frac{x(x-1)}{p^2} - \frac{2x(n-1-x)}{pq} + \frac{(n-1-x)(n-2-x)}{q^2}, \quad (27c)$$

$$g_1 = g_1(x, n-1, p) = \left[\frac{x}{p} - \frac{(n-1-x)}{q} \right]^1 = \frac{(x)_1}{p^1} - \frac{i(x)_{i-1}(n-1-x)_1}{p^{i-1} q} + \frac{i(i-1)}{2!} \frac{(x)_{i-2}(n-1-x)_2}{p^{i-2} q^2} - \dots + (-1)^i \frac{(n-1-x)_i}{q^i}, \quad (27d)$$

$$g_{i+1} = g_{i+1}(x, n-1, p) = \left[g_i - \frac{i(q-p)}{pq} \right] g_i - \frac{i(n-i)}{pq} g_{i-1}, \quad (27e)$$

$$(x)_i = x(x-1) \dots (x-j+1) \quad (27f)$$

is a Jordan factorial symbol.

Approximate Interpolation

Interpolates for individual terms or cumulative values may be obtained by the use of linear interpolation but will only be rough approximations to the exact value obtained by computations using the binomial relation. A better approximation is obtained, especially for cumulative values, by the use of linear interpolation of the logarithms of the surrounding values read from these Tables. In most cases, if a fair degree of accuracy is desired for at least 4 places after the decimal, the interpolates for individual terms or cumulative values for n , p or both n and p should be determined by the use of the 5-point Lagrangian Interpolation Coefficients or similar coefficients requiring more than 5 entries in these Tables. Such coefficients are given for from 3 points to 11 points in Reference [12]. Computations carried out by use of these coefficients require little time if performed on an automatic computing machine. More accuracy is obtained in most regions of the table if the logarithms of the entries in these Tables are used rather than the entries themselves. It is suggested that, where interpolates are to be obtained in a rather small area of these Tables, a tabulation of the 7-place logarithms of the entries in the entire useful area should be made for interpolation purposes.

When both n and p are not covered directly by these Tables, bi-variate or two-way uni-variate interpolation may be applied. Reference [13] provides Salzer's Interpol-

tion Coefficients for bi-variate interpolation. Ordinarily in two-way uni-variate interpolation a 5×5 system would be used, interpolating first for n or p and second, for p or n . Salzer's method gives almost as exact values using only 15 points rather than 25 for the 5×5 system. In some areas his 10-point system gives sufficient accuracy for most problems.

Inverse Interpolation

In many cases, the probability P is given and one of the other variables, x , n or p is the unknown. These Tables provide sufficient entries so that the unknown variable may be determined. A useful guide to assist in the determination of such an unknown variable is a nomograph for the binomial. For the inverse interpolation problem, often two possible answers may be obtained. If sufficient information is provided with the problem, the unknown variable can be determined by the use of entries in these Tables in the neighborhood of the given probability value for the p binomial, the f binomial and the Incomplete Beta-Function Ratio. Extreme care must be used in these determinations since it must be recognized that in many cases the only reasonable solution must be integral, particularly for x and n for the p binomial.

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50-100 BINOMIAL TABLES

n=

50

p=.01

x	Individual Term	Cumulative (x or less)
0	.605006	.605006
1	.305559	.910565
2	.075618	.986183
3	.012221	.998404
4	.001450	.999854

p=.02

x	Individual Term	Cumulative (x or less)
0	.364170	.364170
1	.371602	.735771
2	.185801	.921572
3	.060670	.982242
4	.014548	.996790
5	.002732	.999521
6	.000418	.999939
7	.000054	.999993
8	.000006	.999999
9	.000001	1.000000
10	.000000	1.000000

p=.03

x	Individual Term	Cumulative (x or less)
0	.218065	.218065
1	.337215	.555280
2	.255518	.810798
3	.126442	.937240
4	.045949	.983189
5	.013074	.996264
6	.003033	.999296
7	.000590	.999886
8	.000098	.999984
9	.000014	.999998
10	.000002	1.000000
11	.000000	1.000001

p=.04

x	Individual Term	Cumulative (x or less)
0	.129886	.129886
1	.270595	.400481
2	.276233	.676714
3	.184155	.860869
4	.090159	.951028
5	.034561	.985589
6	.010800	.996390
7	.002829	.999218
8	.000634	.999852
9	.000123	.999975
10	.000021	.999996
11	.000003	.999999
12	.000000	1.000000

p=.05

x	Individual Term	Cumulative (x or less)
0	.076945	.076945
1	.202487	.279432
2	.261101	.540533
3	.219875	.760408
4	.135975	.896383
5	.065841	.962224
6	.025990	.988214
7	.008598	.996812
8	.002432	.999244
9	.000597	.999842
10	.000129	.999971
11	.000025	.999995
12	.000004	1.000000
13	.000001	1.000001
14	.000000	1.000001

p=.06

x	Individual Term	Cumulative (x or less)
0	.045331	.045331
1	.144673	.190003
2	.226243	.416246
3	.231057	.647303
4	.173293	.820596
5	.101763	.922359
6	.048716	.971076
7	.019546	.990621
8	.006706	.997327
9	.001997	.999325
10	.000523	.999847
11	.000121	.999969
12	.000025	.999994
13	.000005	.999999
14	.000001	.999999
15	.000000	1.000000

n-
50

50-100 BINOMIAL TABLES

p=.07

x	Individual Term	Cumulative (x or less)
0	.026555	.026555
1	.099938	.126494
2	.184295	.310789
3	.221947	.532735
4	.196292	.729027
5	.135927	.864954
6	.076733	.941686
7	.036304	.977990
8	.014687	.992678
9	.005159	.997837
10	.001592	.999429
11	.000436	.999864
12	.000107	.999971
13	.000023	.999995
14	.000005	.999999
15	.000001	1.000001
16	.000000	1.000001

p=.08

x	Individual Term	Cumulative (x or less)
0	.015466	.015466
1	.067246	.082712
2	.143262	.225974
3	.199321	.425296
4	.203654	.628950
5	.162924	.791874
6	.106255	.898128
7	.058077	.956205
8	.027145	.983350
9	.011015	.994365
10	.003927	.998292
11	.001242	.999534
12	.000351	.999885
13	.000089	.999974
14	.000020	.999995
15	.000004	.999999
16	.000001	1.000000
17	.000000	1.000000

p=.09

x	Individual Term	Cumulative (x or less)
0	.008955	.008955
1	.044283	.053238
2	.107302	.160541
3	.169797	.330337
4	.197319	.527656
5	.179538	.707194
6	.133174	.840368
7	.082789	.923157
8	.044010	.967167
9	.020312	.987480
10	.008237	.995716
11	.002962	.998679
12	.000952	.999631
13	.000275	.999906
14	.000072	.999978
15	.000017	.999995
16	.000004	.999999
17	.000001	.999999
18	.000000	1.000000

p=.10

x	Individual Term	Cumulative (x or less)
0	.005154	.005154
1	.028632	.033786
2	.077943	.111729
3	.138565	.250294
4	.180905	.431199
5	.184925	.616123
6	.154104	.770227
7	.107628	.877855
8	.064278	.942133
9	.033329	.975462
10	.015183	.990646
11	.006135	.996780
12	.002215	.998996
13	.000719	.999715
14	.000211	.999926
15	.000056	.999983
16	.000014	.999996
17	.000003	.999999
18	.000001	1.000001
19	.000000	1.000001

p=.11

x	Individual Term	Cumulative (x or less)
0	.002948	.002948
1	.018217	.021165
2	.055162	.076327
3	.109085	.185412
4	.158418	.343830
5	.180134	.523964
6	.166978	.690942
7	.129723	.820665
8	.086178	.906843
9	.049706	.956549
10	.025188	.981737
11	.011320	.993058
12	.004547	.997605
13	.001643	.999248
14	.000537	.999784
15	.000159	.999944
16	.000043	.999987
17	.000011	.999997
18	.000002	1.000000
19	.000001	1.000001
20	.000000	1.000001

p=.12

x	Individual Term	Cumulative (x or less)
0	.001675	.001675
1	.011424	.013099
2	.038165	.051264
3	.083269	.134534
4	.133420	.267954
5	.167382	.435336
6	.171186	.606521
7	.146731	.753252
8	.107547	.860799
9	.068439	.929238
10	.038264	.967501
11	.018974	.986475
12	.008409	.994884
13	.003352	.998236
14	.001208	.999444
15	.000395	.999839
16	.000118	.999957
17	.000032	.999989
18	.000008	.999997
19	.000002	.999999
20	.000000	1.000000

50-100 BINOMIAL TABLES

n-
50

p=.13

p=.14

p=.15

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
0	.000946	.000946	0	.000531	.000531	0	.000296	.000296
1	.007069	.008015	1	.004320	.004851	1	.002610	.002905
2	.025879	.033894	2	.017231	.022082	2	.011283	.014189
3	.061872	.095766	3	.048881	.066964	3	.031858	.046047
4	.108631	.204397	4	.085849	.152813	4	.066059	.112105
5	.149336	.353733	5	.128574	.281387	5	.107248	.219353
6	.167359	.521092	6	.156979	.438366	6	.141946	.361299
7	.157191	.678283	7	.160630	.598996	7	.157453	.518751
8	.126250	.804533	8	.140551	.739547	8	.149348	.668100
9	.088036	.892570	9	.106775	.846323	9	.122993	.791092
10	.053935	.946505	10	.071266	.917589	10	.088969	.880081
11	.029306	.975811	11	.042187	.959777	11	.057105	.937186
12	.014232	.990043	12	.022320	.982097	12	.032751	.969938
13	.006216	.996259	13	.010621	.992718	13	.016894	.986832
14	.002455	.998714	14	.004569	.997287	14	.007879	.994712
15	.000880	.999595	15	.001785	.999072	15	.003357	.998049
16	.000288	.999883	16	.000636	.999708	16	.001288	.999337
17	.000086	.999969	17	.000207	.999915	17	.000455	.999792
18	.000024	.999992	18	.000062	.999977	18	.000147	.999939
19	.000006	.999998	19	.000017	.999994	19	.000044	.999982
20	.000001	.999999	20	.000004	.999998	20	.000012	.999994
21	.000000	1.000000	21	.000001	.999999	21	.000003	.999997
22			22	.000000	.999999	22	.000001	.999998
23						23	.000000	.999998

n-
50

50-100 BINOMIAL TABLES

p=.16			p=.17			p=.18		
x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
0	.000164	.000164	0	.000090	.000090	0	.000049	.000049
1	.001559	.001722	1	.000921	.001011	1	.000538	.000587
2	.007274	.008997	2	.004621	.005632	2	.002896	.003483
3	.022169	.031165	3	.015145	.020778	3	.010170	.013653
4	.049616	.080781	4	.036449	.057226	4	.026231	.039885
5	.086946	.167727	5	.068682	.125908	5	.052975	.092859
6	.124209	.291936	6	.105505	.231413	6	.087214	.180073
7	.148712	.440648	7	.135831	.367243	7	.120337	.300411
8	.152253	.392901	8	.149537	.516780	8	.141983	.442394
9	.135336	.728237	9	.142931	.659710	9	.145446	.587840
10	.105691	.833928	10	.120027	.779738	10	.130902	.718742
11	.073206	.907134	11	.089396	.869134	11	.104489	.823231
12	.045318	.952452	12	.059508	.928641	12	.074544	.897775
13	.025232	.977684	13	.035627	.964268	13	.047831	.945606
14	.012702	.990386	14	.019285	.983354	14	.027749	.973355
15	.005807	.996192	15	.009480	.993034	15	.014619	.987974
16	.002419	.998612	16	.004247	.997281	16	.007020	.994994
17	.000922	.999533	17	.001740	.999021	17	.003082	.998075
18	.000322	.999855	18	.000653	.999674	18	.001240	.999316
19	.000103	.999958	19	.000225	.999900	19	.000459	.999774
20	.000030	.999989	20	.000072	.999971	20	.000156	.999930
21	.000008	.999997	21	.000021	.999992	21	.000049	.999979
22	.000002	.999999	22	.000006	.999998	22	.000014	.999993
23	.000000	1.000000	23	.000001	.999999	23	.000004	.999997
			24	.000000	1.000000	24	.000001	.999998
						25	.000000	.999998

50-100 BINOMIAL TABLES

n-
50

p=.19

p=.20

p=.21

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
0	.000027	.000027	0	.000014	.000014	0	.000008	.000008
1	.000312	.000338	1	.000178	.000193	1	.000101	.000109
2	.001790	.002128	2	.001093	.001285	2	.000659	.000767
3	.006719	.008548	3	.004371	.005656	3	.002801	.003569
4	.018519	.027367	4	.012840	.018496	4	.008750	.012319
5	.039965	.067331	5	.029531	.048027	5	.021399	.033718
6	.070308	.137639	6	.055371	.103398	6	.042663	.076381
7	.103664	.241304	7	.087012	.190410	7	.071265	.147666
8	.130700	.372004	8	.116922	.307332	8	.101852	.249518
9	.143071	.515074	9	.136409	.443741	9	.126348	.375866
10	.137595	.652670	10	.139819	.583560	10	.137703	.513568
11	.117365	.770035	11	.127108	.710668	11	.133107	.646576
12	.089473	.859508	12	.103276	.813944	12	.114995	.761670
13	.061348	.920856	13	.075471	.889414	13	.089353	.851024
14	.038031	.958887	14	.049864	.939279	14	.062773	.913797
15	.021410	.980297	15	.029919	.969197	15	.040048	.953845
16	.010986	.991283	16	.016362	.985559	16	.023287	.977132
17	.005154	.996437	17	.008181	.993740	17	.012381	.989513
18	.002216	.998654	18	.003750	.997490	18	.006034	.995547
19	.000876	.999529	19	.001579	.999068	19	.002701	.998248
20	.000318	.999848	20	.000612	.999680	20	.001113	.999361
21	.000107	.999954	21	.000218	.999899	21	.000423	.999783
22	.000033	.999987	22	.000072	.999971	22	.000148	.999932
23	.000009	.999997	23	.000022	.999993	23	.000048	.999979
24	.000002	.999999	24	.000006	.999999	24	.000014	.999994
25	.000001	1.000000	25	.000002	1.000001	25	.000004	.999998
26	.000000	1.000000	26	.000000	1.000001	26	.000001	.999999
						27	.000000	.999999

50-100 BINOMIAL TABLES

p=.22

x	Individual Term	Cumulative (x or less)
0	.000004	.000004
1	.000057	.000061
2	.000392	.000453
3	.001770	.002223
4	.005866	.008089
5	.015221	.023310
6	.032199	.055909
7	.070855	.112595
8	.086543	.199137
9	.113911	.313048
10	.131728	.444776
11	.135106	.579852
12	.123847	.703729
13	.102106	.805835
14	.076112	.881947
15	.051522	.933469
16	.031789	.965258
17	.017932	.983190
18	.009273	.992462
19	.004405	.996667
20	.001926	.998793
21	.000776	.999569
22	.000288	.999857
23	.000099	.999956
24	.000031	.999988
25	.000009	.999997
26	.000003	1.000000
27	.000001	1.000001
28	.000000	1.000001

p=.23

x	Individual Term	Cumulative (x or less)
0	.000002	.000002
1	.000032	.000034
2	.000231	.000264
3	.001103	.001367
4	.003871	.005238
5	.010637	.015874
6	.023829	.039703
7	.044740	.084443
8	.071830	.156273
9	.100127	.256401
10	.122623	.379024
11	.133192	.512216
12	.129300	.641516
13	.112895	.754411
14	.089122	.843533
15	.063890	.907424
16	.041746	.949170
17	.024939	.974110
18	.013657	.987767
19	.006871	.994638
20	.003181	.997819
21	.001357	.999176
22	.000534	.999711
23	.000194	.999905
24	.000065	.999970
25	.000020	.999991
26	.000006	.999996
27	.000002	.999998
28	.000000	.999998

p=.24

x	Individual Term	Cumulative (x or less)
0	.000001	.000001
1	.000017	.000018
2	.000134	.000153
3	.000678	.000850
4	.002515	.003346
5	.007307	.010653
6	.017306	.027959
7	.034353	.062312
8	.058309	.120621
9	.085929	.206550
10	.111256	.317806
11	.127758	.445563
12	.131120	.576683
13	.121033	.697716
14	.101013	.798729
15	.076557	.875286
16	.052885	.928171
17	.033401	.961372
18	.019337	.980909
19	.010285	.991194
20	.005034	.996228
21	.002271	.998499
22	.000945	.999444
23	.000363	.999808
24	.000129	.999937
25	.000042	.999979
26	.000013	.999992
27	.000004	.999996
28	.000001	.999997
29	.000000	.999997

50-100 BINOMIAL TABLES

n=
50

p=.25

p=.26

p=.27

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
0	.000001	.000001	0	.000000	.000000	1	.000003	.000003
1	.000009	.000010	1	.000005	.000005	2	.000025	.000027
2	.000077	.000087	2	.000044	.000049	3	.000145	.000173
3	.000411	.000498	3	.000246	.000295	4	.000632	.000805
4	.001610	.002108	4	.001016	.001311			
5	.004938	.007046	5	.003284	.004595	5	.002150	.002955
6	.012345	.019391	6	.008653	.013248	6	.005964	.008919
7	.025865	.045256	7	.019111	.032359	7	.013865	.022784
8	.046341	.091597	8	.036091	.068449	8	.027564	.050348
9	.072087	.163684	9	.059176	.127625	9	.047577	.097925
10	.098519	.262203	10	.085245	.212870	10	.072147	.170072
11	.119416	.381619	11	.108913	.321783	11	.097035	.267106
12	.129368	.510987	12	.124366	.446149	12	.116641	.383747
13	.126051	.637037	13	.127728	.573877	13	.126105	.509852
14	.111045	.748082	14	.118604	.692481	14	.123267	.633119
15	.088836	.836918	15	.100012	.792493	15	.109421	.742539
16	.064776	.901694	16	.076867	.869360	16	.088529	.831069
17	.043184	.944878	17	.050415	.923375	17	.065488	.896556
18	.026390	.971268	18	.034793	.958168	18	.044406	.940962
19	.014816	.986083	19	.020589	.978757	19	.027662	.968624
20	.007655	.993738	20	.011213	.989970	20	.015858	.984482
21	.003645	.997383	21	.005628	.995598	21	.008379	.992861
22	.001602	.998985	22	.002607	.998205	22	.004083	.996946
23	.000650	.999635	23	.001115	.999320	23	.001839	.998786
24	.000244	.999878	24	.000441	.999760	24	.000765	.999551
25	.000084	.999963	25	.000161	.999921	25	.000294	.999845
26	.000027	.999990	26	.000054	.999976	26	.000105	.999950
27	.000008	.999998	27	.000017	.999993	27	.000034	.999984
28	.000002	1.000001	28	.000005	.999998	28	.000010	.999995
29	.000001	1.000002	29	.000001	.999999	29	.000003	.999998
30	.000000	1.000002	30	.000000	.999999	30	.000001	.999999
						31	.000000	.999999

n=

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50-100 BINOMIAL TABLES

p=.28

p=.29

p=.30

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
1	.000001	.000002	1	.000001	.000001	1	.000000	.000000
2	.000014	.000015	2	.000007	.000008	2	.000004	.000004
3	.000085	.000100	3	.000049	.000057	3	.000028	.000032
4	.000387	.000487	4	.000234	.000291	4	.000140	.000172
5	.001386	.001874	5	.000880	.001172	5	.000551	.000723
6	.004043	.005917	6	.002697	.003869	6	.001771	.002494
7	.009883	.015800	7	.006925	.010793	7	.004770	.007264
8	.020659	.036459	8	.015202	.025996	8	.010989	.018253
9	.037492	.073931	9	.028977	.054973	9	.021978	.040232
10	.059779	.133730	10	.048527	.103500	10	.038619	.078851
11	.084536	.218263	11	.072075	.175575	11	.060185	.139036
12	.106844	.325109	12	.095678	.271253	12	.083830	.222866
13	.121435	.446564	13	.114233	.385486	13	.105017	.327883
14	.124828	.571392	14	.123312	.508797	14	.118948	.446831
15	.116507	.687898	15	.120880	.629677	15	.122347	.569178
16	.099111	.787010	16	.108005	.737682	16	.114700	.683877
17	.077087	.864097	17	.088229	.825911	17	.098314	.782192
18	.054960	.919056	18	.066068	.891979	18	.077247	.859438
19	.035997	.955054	19	.045449	.937429	19	.055757	.915195
20	.021698	.976752	20	.028774	.966203	20	.037039	.952234
21	.012055	.988806	21	.016790	.982992	21	.022677	.974911
22	.006179	.994986	22	.009040	.992032	22	.012811	.987722
23	.002926	.997912	23	.004495	.996527	23	.006684	.994406
24	.001280	.999191	24	.002065	.998593	24	.003223	.997628
25	.000518	.999709	25	.000877	.999470	25	.001436	.999065
26	.000194	.999903	26	.000345	.999815	26	.000592	.999656
27	.000067	.999970	27	.000125	.999940	27	.000225	.999882
28	.000021	.999991	28	.000042	.999982	28	.000079	.999961
29	.000006	.999997	29	.000013	.999995	29	.000026	.999987
30	.000002	.999999	30	.000004	.999998	30	.000008	.999995
31	.000000	.999999	31	.000001	.999999	31	.000002	.999997
			32	.000000	1.000000	32	.000001	.999997
						33	.000000	.999998

50-100 BINOMIAL TABLES

n=50

p=.31

p=.32

p=.33

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
2	.000002	.000002	2	.000001	.000001	2	.000001	.000001
3	.000016	.000018	3	.000009	.000010	3	.000005	.000005
4	.000082	.000100	4	.000048	.000058	4	.000027	.000033
5	.000340	.000440	5	.000206	.000264	5	.000124	.000156
6	.001145	.001384	6	.000729	.000992	6	.000457	.000613
7	.003233	.004617	7	.002155	.003147	7	.001414	.002026
8	.007806	.012623	8	.005451	.008598	8	.003742	.005769
9	.016366	.028989	9	.011970	.020568	9	.008602	.014370
10	.030147	.059137	10	.023095	.043663	10	.017370	.031740
11	.049252	.108389	11	.039521	.083185	11	.031110	.062850
12	.071916	.180305	12	.060444	.143629	12	.049800	.112650
13	.094444	.274749	13	.083145	.226774	13	.071698	.184348
14	.112140	.386889	14	.103407	.330182	14	.093329	.277677
15	.120917	.507806	15	.116790	.446971	15	.110324	.388001
16	.118336	.626641	16	.120225	.567196	16	.118866	.506867
17	.106780	.733421	17	.113153	.680348	17	.117092	.623938
18	.087951	.821372	18	.097622	.777970	18	.105732	.729690
19	.066551	.887923	19	.077372	.855342	19	.087708	.817398
20	.046344	.934267	20	.056436	.911778	20	.066959	.884358
21	.029745	.964012	21	.037940	.949718	21	.047114	.931472
22	.017616	.981628	22	.023535	.973253	22	.030589	.962061
23	.009635	.991262	23	.013483	.986736	23	.018342	.980403
24	.004870	.996132	24	.007138	.993875	24	.010163	.990566
25	.002275	.998407	25	.003493	.997368	25	.005206	.995772
26	.000983	.999390	26	.001581	.998949	26	.002466	.998238
27	.000393	.999783	27	.000661	.999610	27	.001079	.999317
28	.000145	.999928	28	.000256	.999866	28	.000437	.999754
29	.000049	.999977	29	.000091	.999957	29	.000163	.999917
30	.000016	.999993	30	.000030	.999987	30	.000056	.999973
31	.000005	.999997	31	.000009	.999996	31	.000018	.999991
32	.000001	.999998	32	.000003	.999999	32	.000005	.999996
33	.000000	.999999	33	.000001	.999999	33	.000001	.999998
			34	.000000	.999999	34	.000000	.999998

n-
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50-100 BINOMIAL TABLES

p=.34

x	Individual Term	Cumulative (x or less)
2	.000000	.000000
3	.000003	.000003
4	.000015	.000018
5	.000073	.000091
6	.000282	.000373
7	.000913	.001286
8	.002527	.003812
9	.006074	.009866
10	.012830	.022716
11	.024033	.046750
12	.040238	.086987
13	.060591	.147578
14	.082493	.230072
15	.101992	.332063
16	.114934	.446997
17	.118416	.562413
18	.111838	.677251
19	.097033	.774284
20	.077479	.851763
21	.057019	.908783
22	.036720	.947503
23	.024263	.971785
24	.014073	.985858
25	.007540	.993398
26	.003735	.997133
27	.001710	.998843
28	.000724	.999567
29	.000283	.999849
30	.000102	.999951
31	.000034	.999985
32	.000010	.999996
33	.000003	.999999
34	.000001	.999999
35	.000000	1.000000

p=.35

x	Individual Term	Cumulative (x or less)
3	.000001	.000002
4	.000009	.000010
5	.000042	.000053
6	.000171	.000224
7	.000580	.000804
8	.001678	.002482
9	.004216	.006698
10	.009309	.016006
11	.018226	.034233
12	.031896	.066129
13	.050204	.116333
14	.071444	.187777
15	.092327	.280104
16	.108751	.358855
17	.117116	.505972
18	.115615	.621586
19	.104849	.726436
20	.087509	.813944
21	.067314	.881259
22	.047779	.929038
23	.031320	.960358
24	.018973	.979331
25	.010625	.989955
26	.005501	.995456
27	.002633	.998089
28	.001165	.999254
29	.000476	.999730
30	.000179	.999909
31	.000062	.999971
32	.000020	.999991
33	.000006	.999997
34	.000002	.999999
35	.000000	.999999

p=.36

x	Individual Term	Cumulative (x or less)
3	.000001	.000001
4	.000005	.000005
5	.000024	.000030
6	.000103	.000132
7	.000363	.000495
8	.001096	.001591
9	.002877	.004468
10	.006636	.011104
11	.013573	.024677
12	.024813	.049491
13	.040799	.090290
14	.060632	.150942
15	.081880	.232822
16	.100751	.333573
17	.113345	.446918
18	.116887	.563805
19	.110735	.674540
20	.096547	.771087
21	.077582	.848669
22	.057526	.906195
23	.039393	.945587
24	.024928	.970515
25	.014583	.985098
26	.007887	.992966
27	.003944	.996929
28	.001822	.998752
29	.000778	.999529
30	.000306	.999835
31	.000111	.999947
32	.000037	.999984
33	.000011	.999995
34	.000003	.999998
35	.000001	.999999
36	.000000	.999999

50-100 BINOMIAL TABLES

n=
50

p=.37

p=.38

p=.39

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
4	.000003	.000003	4	.000001	.000002	4	.000001	.000001
5	.000014	.000017	5	.000008	.000009	5	.000004	.000005
6	.000060	.000077	6	.000035	.000044	6	.000020	.000025
7	.000223	.000300	7	.000135	.000179	7	.000081	.000106
8	.000704	.001005	8	.000445	.000625	8	.000277	.000382
9	.001930	.002935	9	.001273	.001898	9	.000826	.001208
10	.004648	.007583	10	.003200	.005098	10	.002165	.003374
11	.009927	.017511	11	.007132	.012231	11	.005034	.008408
12	.018949	.036460	12	.014207	.026438	12	.010460	.018868
13	.032530	.068989	13	.025453	.051890	13	.019548	.038415
14	.050491	.119481	14	.041229	.093119	14	.033030	.071446
15	.071169	.190649	15	.060646	.153766	15	.050682	.122128
16	.091432	.282081	16	.081310	.235076	16	.070882	.193010
17	.107396	.389477	17	.099671	.334747	17	.090636	.283647
18	.115635	.505112	18	.111995	.446742	18	.106238	.389884
19	.114380	.619492	19	.115608	.562350	19	.114396	.504280
20	.104122	.723613	20	.109828	.672178	20	.113364	.617645
21	.087358	.810972	21	.096162	.768340	21	.103541	.721186
22	.067630	.878602	22	.077691	.846032	22	.087262	.808447
23	.048354	.929596	23	.057969	.904000	23	.067918	.876366
24	.031948	.958904	24	.039970	.943971	24	.048851	.925217
25	.019514	.978417	25	.025478	.969449	25	.032482	.957699
26	.011020	.989437	26	.015015	.984464	26	.019968	.977668
27	.005753	.995190	27	.008180	.992644	27	.011348	.989016
28	.002775	.997965	28	.004118	.996762	28	.005960	.994976
29	.001236	.999202	29	.001915	.998677	29	.002891	.997866
30	.000508	.999710	30	.000822	.999499	30	.001294	.999160
31	.000193	.999903	31	.000325	.999824	31	.000534	.999694
32	.000067	.999970	32	.000118	.999942	32	.000203	.999896
33	.000022	.999991	33	.000040	.999981	33	.000071	.999967
34	.000006	.999998	34	.000012	.999993	34	.000023	.999989
35	.000002	.999999	35	.000003	.999997	35	.000007	.999996
36	.000000	1.000000	36	.000001	.999998	36	.000002	.999998
			37	.000000	.999998	37	.000000	.999998

n-

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50-100 BINOMIAL TABLES

p=.40

x	Individual Term	Cumulative (x or less)
4	.000000	.000000
5	.000002	.000003
6	.000011	.000014
7	.000047	.000061
8	.000169	.000231
9	.000527	.000757
10	.001440	.002197
11	.003491	.005688
12	.007563	.013251
13	.014738	.027988
14	.025967	.053955
15	.041547	.095502
16	.060589	.156091
17	.080785	.236876
18	.098737	.335613
19	.110863	.446476
20	.114558	.561034
21	.109103	.670137
22	.095878	.766015
23	.077814	.843830
24	.058361	.902191
25	.040463	.942654
26	.025938	.968592
27	.015371	.983963
28	.008417	.992380
29	.004257	.996637
30	.001987	.998624
31	.000654	.999478
32	.000338	.999816
33	.000123	.999939
34	.000041	.999980
35	.000012	.999993
36	.000003	.999996
37	.000001	.999997
38	.000000	.999998

p=.41

x	Individual Term	Cumulative (x or less)
5	.000001	.000001
6	.000006	.000008
7	.000027	.000035
8	.000102	.000137
9	.000330	.000467
10	.000941	.001408
11	.002378	.003786
12	.005370	.009156
13	.010909	.020065
14	.020034	.040099
15	.033413	.073513
16	.050793	.124305
17	.070593	.194898
18	.089936	.284835
19	.105260	.390095
20	.113378	.503472
21	.112554	.616026
22	.103102	.719128
23	.087223	.806351
24	.068189	.874540
25	.049281	.923821
26	.032929	.956750
27	.020340	.977090
28	.011611	.988701
29	.006121	.994822
30	.002977	.997799
31	.001335	.999134
32	.000531	.999685
33	.000209	.999894
34	.000073	.999966
35	.000023	.999989
36	.000007	.999996
37	.000002	.999998
38	.000000	.999998

p=.42

x	Individual Term	Cumulative (x or less)
5	.000001	.000001
6	.000003	.000004
7	.000015	.000020
8	.000060	.000080
9	.000204	.000283
10	.000604	.000888
11	.001591	.002479
12	.003745	.006224
13	.007927	.014152
14	.015172	.029323
15	.026367	.055690
16	.041767	.097457
17	.060490	.157947
18	.080305	.238252
19	.097940	.336193
20	.109930	.446123
21	.113720	.559843
22	.108551	.668394
23	.095694	.764088
24	.077958	.842046
25	.058710	.900756
26	.040879	.941636
27	.026313	.967949
28	.015652	.983600
29	.008598	.992199
30	.004358	.996557
31	.002036	.998593
32	.000875	.999469
33	.000346	.999815
34	.000125	.999940
35	.000041	.999981
36	.000013	.999994
37	.000003	.999997
38	.000001	.999998
39	.000000	.999998

50-100 BINOMIAL TABLES

n-
50

p=.43

p=.44

p=.45

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
6	.000002	.000002	6	.000001	.000001	6	.000000	.000001
7	.000009	.000011	7	.000005	.000006	7	.000003	.000003
8	.000035	.000046	8	.000020	.000026	8	.000011	.000014
9	.000123	.000169	9	.000073	.000099	9	.000043	.000057
10	.000381	.000551	10	.000236	.000336	10	.000144	.000201
11	.001046	.001597	11	.000676	.001011	11	.000428	.000630
12	.002565	.004162	12	.001725	.002736	12	.001139	.001769
13	.005656	.009818	13	.003962	.006698	13	.002724	.004493
14	.011277	.021095	14	.008227	.014925	14	.005891	.010384
15	.020417	.041511	15	.015514	.030439	15	.011567	.021951
16	.033692	.075204	16	.026664	.057103	16	.020702	.042653
17	.050834	.126038	17	.041901	.099003	17	.033877	.076530
18	.070306	.196343	18	.060357	.159360	18	.050815	.127345
19	.089326	.285670	19	.079871	.239231	19	.070023	.197368
20	.104449	.390119	20	.097271	.336502	20	.088802	.286169
21	.112564	.502683	21	.109182	.445684	21	.103794	.389963
22	.111936	.614619	22	.113081	.558765	22	.111943	.501906
23	.102800	.717419	23	.108165	.666929	23	.111501	.613407
24	.087245	.804663	24	.095610	.762539	24	.102631	.716038
25	.068449	.873112	25	.078127	.840666	25	.087330	.803368
26	.049651	.922763	26	.059024	.899690	26	.068704	.872071
27	.033294	.956057	27	.041223	.940913	27	.049966	.922038
28	.020631	.976688	28	.026606	.967519	28	.033581	.955619
29	.011807	.988496	29	.015859	.983378	29	.020843	.976462
30	.006235	.994731	30	.008722	.992100	30	.011938	.988400
31	.003035	.997765	31	.004421	.996522	31	.006301	.994701
32	.001359	.999125	32	.002063	.998584	32	.003061	.997763
33	.000559	.999684	33	.000884	.999468	33	.001366	.999129
34	.000211	.999895	34	.000347	.999816	34	.000559	.999688
35	.000073	.999968	35	.000125	.999940	35	.000209	.999897
36	.000023	.999991	36	.000041	.999981	36	.000071	.999968
37	.000007	.999997	37	.000012	.999993	37	.000022	.999990
38	.000002	.999999	38	.000003	.999997	38	.000006	.999996
39	.000000	.999999	39	.000001	.999997	39	.000002	.999998
			40	.000000	.999998	40	.000000	.999998

n-
50

50-100 BINOMIAL TABLES

p=.46

x	Individual Term	Cumulative (x or less)
6	.000000	.000000
7	.000001	.000002
8	.000006	.000008
9	.000025	.000033
10	.000056	.000119
11	.000267	.000389
12	.000738	.001124
13	.001839	.002962
14	.004139	.007101
15	.008462	.015564
16	.015769	.031333
17	.026866	.058198
18	.041957	.100155
19	.060195	.160351
20	.079480	.239831
21	.096722	.336553
22	.108609	.443161
23	.112631	.557792
24	.107938	.665731
25	.095625	.761356
26	.078325	.839681
27	.059308	.898989
28	.041500	.940489
29	.026819	.967308
30	.015992	.983300
31	.008789	.992089
32	.004445	.996534
33	.002065	.998600
34	.000880	.999479
35	.000343	.999822
36	.000122	.999943
37	.000039	.999983
38	.000011	.999994
39	.000003	.999997
40	.000001	.999998
41	.000000	.999998

p=.47

x	Individual Term	Cumulative (x or less)
7	.000001	.000001
8	.000003	.000004
9	.000014	.000018
10	.000051	.000069
11	.000163	.000232
12	.000470	.000701
13	.001218	.001919
14	.002854	.004773
15	.006074	.010847
16	.011782	.022629
17	.020897	.043526
18	.033974	.077501
19	.050742	.128243
20	.069747	.197989
21	.088358	.285348
22	.103287	.389634
23	.111505	.501140
24	.111242	.612382
25	.102595	.714977
26	.087481	.802458
27	.068958	.871416
28	.050231	.921647
29	.033793	.955440
30	.020977	.976417
31	.012001	.988418
32	.006319	.994737
33	.003057	.997794
34	.001355	.999149
35	.000549	.999699
36	.000203	.999902
37	.000068	.999970
38	.000021	.999991
39	.000006	.999996
40	.000001	.999998
41	.000000	.999998

p=.48

x	Individual Term	Cumulative (x or less)
7	.000000	.000000
8	.000002	.000002
9	.000008	.000010
10	.000029	.000039
11	.000098	.000137
12	.000293	.000430
13	.000791	.001221
14	.001930	.003152
15	.004276	.007428
16	.008635	.016063
17	.015942	.032005
18	.026978	.058983
19	.041942	.100924
20	.060009	.160933
21	.079132	.240066
22	.096287	.336353
23	.108202	.444355
24	.112364	.556918
25	.107869	.664787
26	.095742	.760529
27	.078557	.839087
28	.059565	.898652
29	.041712	.940364
30	.026952	.967316
31	.016051	.983367
32	.008797	.992164
33	.004429	.996593
34	.002044	.998637
35	.000863	.999500
36	.000332	.999832
37	.000116	.999948
38	.000037	.999984
39	.000010	.999995
40	.000003	.999997
41	.000001	.999998
42	.000000	.999998

50-100 BINOMIAL TABLES

n=
50

p=.49

p=.50

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
8	.000001	.000001	8	.000000	.000001
9	.000004	.000005	9	.000002	.000003
10	.000016	.000022	10	.000009	.000012
11	.000038	.000079	11	.000033	.000045
12	.000180	.000259	12	.000108	.000153
13	.000504	.000763	13	.000315	.000468
14	.001281	.002044	14	.000833	.001301
15	.002953	.004997	15	.001999	.003300
16	.006206	.011203	16	.004373	.007673
17	.011925	.023128	17	.008746	.016420
18	.021006	.044134	18	.016035	.032454
19	.033991	.078124	19	.027006	.059460
20	.050619	.128744	20	.041859	.101320
21	.069478	.198221	21	.059799	.161119
22	.087992	.286214	22	.078826	.239944
23	.102920	.389134	23	.095962	.335906
24	.111245	.500378	24	.107957	.443863
25	.111157	.611536	25	.112275	.556138
26	.102691	.714227	26	.107957	.664095
27	.087701	.801928	27	.095962	.760057
28	.069215	.871143	28	.078826	.838883
29	.050449	.921591	29	.059799	.898681
30	.033929	.955521	30	.041859	.940541
31	.021031	.976552	31	.027006	.967547
32	.011998	.988550	32	.016035	.983581
33	.006288	.994837	33	.008746	.992328
34	.003021	.997858	34	.004373	.996701
35	.001327	.999185	35	.001999	.998700
36	.000531	.999716	36	.000833	.999533
37	.000193	.999909	37	.000315	.999848
38	.000063	.999972	38	.000108	.999956
39	.000019	.999991	39	.000033	.999989
40	.000005	.999996	40	.000009	.999998
41	.000001	.999997	41	.000002	1.000001
42	.000000	.999997	42	.000000	1.000001

n=

55

50-100 BINOMIAL TABLES

p=.01

x	Individual Term	Cumulative (x or less)
0	.575355	.575355
1	.319642	.894996
2	.087175	.982171
3	.015556	.997728
4	.002043	.999771
5	.000210	.999981
6	.000018	.999999
7	.000001	1.000001
8	.000000	1.000001

p=.02

x	Individual Term	Cumulative (x or less)
0	.329181	.329181
1	.369488	.698669
2	.203596	.902265
3	.073405	.975670
4	.019475	.995145
5	.004054	.999199
6	.000689	.999888
7	.000098	.999987
8	.000012	.999999
9	.000001	1.000001
10	.000000	1.000001

p=.03

x	Individual Term	Cumulative (x or less)
0	.187260	.187260
1	.318535	.505796
2	.285994	.771789
3	.145337	.917126
4	.058434	.975560
5	.018434	.993994
6	.004751	.998745
7	.001029	.999774
8	.000191	.999965
9	.000031	.999995
10	.000004	1.000000
11	.000001	1.000001
12	.000000	1.000001

p=.04

x	Individual Term	Cumulative (x or less)
0	.105905	.105905
1	.242700	.348605
2	.273037	.621642
3	.200986	.822628
4	.108867	.931495
5	.046269	.977763
6	.016065	.993829
7	.004686	.998515
8	.001171	.999686
9	.000255	.999941
10	.000049	.999990
11	.000008	.999998
12	.000001	.999999
13	.000000	1.000000

p=.05

x	Individual Term	Cumulative (x or less)
0	.059539	.059539
1	.172349	.231887
2	.24916	.476803
3	.227729	.704533
4	.155815	.860347
5	.083648	.943995
6	.036688	.980683
7	.013517	.994199
8	.004268	.998468
9	.001173	.999641
10	.000284	.999925
11	.000061	.999986
12	.000012	.999998
13	.000002	1.000001
14	.000000	1.000001

p=.06

x	Individual Term	Cumulative (x or less)
0	.033268	.033268
1	.116793	.150062
2	.201282	.351344
3	.226978	.578321
4	.188343	.766664
5	.122623	.889288
6	.065225	.954513
7	.029143	.983656
8	.011161	.994817
9	.003720	.998538
10	.001092	.999630
11	.000285	.999915
12	.000067	.999982
13	.000014	.999996
14	.000003	.999999
15	.000000	1.000000

50-100 BINOMIAL TABLES

n=
55

p=.07

x	Individual Term	Cumulative (x or less)
0	.018474	.018474
1	.076479	.094953
2	.155424	.250377
3	.206675	.457052
4	.202231	.659283
5	.155261	.814544
6	.097386	.911930
7	.051311	.963241
8	.023173	.986414
9	.009108	.995522
10	.003154	.998676
11	.000971	.999647
12	.000268	.999915
13	.000067	.999982
14	.000015	.999997
15	.000003	1.000000
16	.000001	1.000001
17	.000000	1.000001

p=.08

x	Individual Term	Cumulative (x or less)
0	.010194	.010194
1	.048752	.058946
2	.114462	.173408
3	.175840	.349248
4	.198776	.548024
5	.176306	.724330
6	.127758	.852088
7	.077766	.929853
8	.040573	.970427
9	.018425	.988851
10	.007370	.996221
11	.002622	.998843
12	.000836	.999679
13	.000240	.999919
14	.000063	.999982
15	.000015	.999997
16	.000003	1.000000
17	.000001	1.000001
18	.000000	1.000001

p=.09

x	Individual Term	Cumulative (x or less)
0	.005588	.005588
1	.030398	.035986
2	.081172	.117158
3	.141828	.258986
4	.182350	.441335
5	.183953	.625288
6	.151609	.776898
7	.104960	.881858
8	.062284	.944142
9	.032169	.976311
10	.014635	.990946
11	.005921	.996867
12	.002147	.999015
13	.000702	.999717
14	.000208	.999925
15	.000056	.999982
16	.000014	.999996
17	.000003	.999999
18	.000001	.999999
19	.000000	1.000000

p=.10

x	Individual Term	Cumulative (x or less)
0	.003043	.003043
1	.018598	.021641
2	.055793	.077434
3	.109520	.186954
4	.158195	.345148
5	.179288	.524436
6	.166007	.690443
7	.129117	.819559
8	.086078	.905637
9	.049946	.955583
10	.025528	.981111
11	.011604	.992715
12	.004727	.997443
13	.001737	.999180
14	.000579	.999759
15	.000176	.999935
16	.000049	.999984
17	.000012	.999996
18	.000003	.999999
19	.000001	1.000000

p=.11

x	Individual Term	Cumulative (x or less)
0	.001646	.001646
1	.011190	.012836
2	.037341	.050176
3	.081534	.131711
4	.131004	.262715
5	.165154	.427868
6	.170102	.597970
7	.147167	.745137
8	.109135	.854272
9	.070440	.924712
10	.040048	.964760
11	.020249	.985009
12	.009177	.994186
13	.003752	.997937
14	.001391	.999328
15	.000470	.999798
16	.000145	.999943
17	.000041	.999984
18	.000011	.999995
19	.000003	.999998
20	.000001	.999998
21	.000000	.999998

p=.12

x	Individual Term	Cumulative (x or less)
0	.000884	.000884
1	.006631	.007516
2	.024416	.031931
3	.058820	.090751
4	.104272	.195023
5	.145032	.340055
6	.164809	.504864
7	.157318	.662182
8	.128715	.790897
9	.091660	.882557
10	.057496	.940053
11	.032074	.972127
12	.016037	.988164
13	.007234	.995398
14	.002959	.998357
15	.001103	.999460
16	.000376	.999836
17	.000118	.999954
18	.000034	.999988
19	.000009	.999997
20	.000002	.999999
21	.000001	.999999
22	.000000	.999999

n=

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50-100 BINOMIAL TABLES

p=.13

x	Individual Term	Cumulative (x or less)
0	.000472	.000472
1	.003876	.004347
2	.015636	.019984
3	.041277	.061261
4	.080183	.141444
5	.122209	.263653
6	.152176	.415829
7	.159173	.579002
8	.142707	.717708
9	.111359	.829057
10	.076543	.905610
11	.046790	.952400
12	.025636	.978035
13	.012671	.990706
14	.005680	.996386
15	.002320	.998705
16	.000867	.999572
17	.000297	.999869
18	.000094	.999963
19	.000027	.999990
20	.000007	.999997
21	.000002	.999999
22	.000000	1.000000

p=.14

x	Individual Term	Cumulative (x or less)
0	.000250	.000250
1	.002236	.002485
2	.009827	.012312
3	.028261	.040573
4	.059808	.100380
5	.099309	.199689
6	.134721	.334410
7	.153519	.487930
8	.149949	.637879
9	.127476	.765355
10	.095459	.860814
11	.063572	.924386
12	.037946	.962332
13	.020433	.982764
14	.009979	.992743
15	.004440	.997183
16	.001807	.998990
17	.000675	.999665
18	.000232	.999897
19	.000074	.999971
20	.000022	.999992
21	.000006	.999998
22	.000001	.999999
23	.000000	1.000000

p=.15

x	Individual Term	Cumulative (x or less)
0	.000131	.000131
1	.001274	.001405
2	.006059	.007474
3	.018921	.026395
4	.043407	.069801
5	.078132	.147933
6	.114900	.262852
7	.141935	.404767
8	.150284	.555051
9	.138497	.693547
10	.112427	.805974
11	.081164	.887138
12	.052518	.939656
13	.030655	.970311
14	.016229	.986540
15	.007828	.994368
16	.003454	.997822
17	.001398	.999220
18	.000521	.999741
19	.000179	.999920
20	.000057	.999977
21	.000017	.999993
22	.000005	.999998
23	.000001	.999999
24	.000000	.999999
25	.000000	1.000000

50-100 BINOMIAL TABLES

n=
55

p=.16

x	Individual Term	Cumulative (x or less)
0	.000068	.000068
1	.000717	.000786
2	.003688	.004473
3	.012410	.016883
4	.030729	.047612
5	.059702	.107314
6	.094765	.202079
7	.126353	.328432
8	.144404	.472836
9	.143640	.616476
10	.125856	.742331
11	.098069	.840401
12	.068493	.908594
13	.043153	.952047
14	.024659	.976706
15	.012838	.989544
16	.006113	.995657
17	.002671	.998329
18	.001074	.999403
19	.000398	.999802
20	.000137	.999938
21	.000043	.999982
22	.000013	.999994
23	.000003	.999998
24	.000001	.999999
25	.000000	.999999

p=.17

x	Individual Term	Cumulative (x or less)
0	.000035	.000035
1	.000399	.000434
2	.002207	.002641
3	.007985	.010627
4	.021262	.031888
5	.044419	.076308
6	.075816	.152124
7	.108701	.250825
8	.133584	.394409
9	.142883	.537292
10	.134620	.671912
11	.112798	.784709
12	.084711	.869420
13	.057390	.926811
14	.035264	.962074
15	.019742	.981817
16	.010109	.991925
17	.004750	.996675
18	.002054	.998729
19	.000819	.999549
20	.000302	.999851
21	.000103	.999954
22	.000033	.999986
23	.000010	.999996
24	.000003	.999998
25	.000001	.999999
26	.000000	.999999

p=.18

x	Individual Term	Cumulative (x or less)
0	.000018	.000018
1	.000220	.000238
2	.001301	.001539
3	.005047	.006586
4	.014402	.020986
5	.032246	.053234
6	.058987	.112221
7	.090639	.202860
8	.119378	.322238
9	.136848	.459085
10	.138183	.597268
11	.124069	.721356
12	.099876	.821232
13	.072518	.893750
14	.047756	.941506
15	.028653	.970159
16	.015724	.985884
17	.007919	.993802
18	.003670	.997472
19	.001569	.999041
20	.000620	.999660
21	.000227	.999887
22	.000077	.999964
23	.000024	.999988
24	.000007	.999995
25	.000002	.999997
26	.000000	.999998

n=

55

50-100 BINOMIAL TABLES

p=.19

x	Individual Term	Cumulative (x or less)
0	.000009	.000009
1	.000119	.000129
2	.000757	.000885
3	.003136	.004021
4	.009563	.013584
5	.022879	.036463
6	.044723	.081186
7	.073434	.134620
8	.103352	.257972
9	.126602	.384574
10	.136605	.521179
11	.131086	.652264
12	.112744	.765009
13	.087476	.852485
14	.061557	.914042
15	.039467	.953509
16	.023145	.976654
17	.012455	.989109
18	.006168	.995276
19	.002817	.998093
20	.001190	.999283
21	.000465	.999748
22	.000169	.999916
23	.000057	.999973
24	.000018	.999991
25	.000005	.999996
26	.000001	.999997
27	.000000	.999998

p=.20

x	Individual Term	Cumulative (x or less)
0	.000005	.000005
1	.000064	.000069
2	.000434	.000503
3	.001917	.002420
4	.006231	.008651
5	.015888	.024539
6	.033100	.057639
7	.057926	.115565
8	.086888	.202453
9	.113438	.315891
10	.130453	.446344
11	.133418	.579762
12	.122300	.702062
13	.101133	.803195
14	.075849	.879044
15	.051830	.930875
16	.032394	.963269
17	.018579	.981848
18	.009806	.991653
19	.004774	.996427
20	.002148	.998575
21	.000895	.999470
22	.000346	.999816
23	.000124	.999940
24	.000041	.999981
25	.000013	.999994
26	.000004	.999998
27	.000001	.999999
28	.000000	.999999

p=.21

x	Individual Term	Cumulative (x or less)
0	.000002	.000002
1	.000034	.000037
2	.000246	.000282
3	.001154	.001436
4	.003987	.005423
5	.010811	.016235
6	.023949	.040184
7	.044563	.084747
8	.071075	.155822
9	.098666	.254488
10	.120647	.375135
11	.131199	.506334
12	.127877	.634211
13	.112437	.746648
14	.089665	.836313
15	.065149	.901462
16	.043295	.944758
17	.026403	.971160
18	.014817	.985977
19	.007670	.993647
20	.003670	.997317
21	.001626	.998943
22	.000668	.999611
23	.000255	.999866
24	.000090	.999956
25	.000030	.999986
26	.000009	.999995
27	.000003	.999997
28	.000001	.999998
29	.000000	.999998

50-100 BINOMIAL TABLES

n=
55

p=.22

x	Individual Term	Cumulative (x or less)
0	.000001	.000001
1	.000018	.000019
2	.000137	.000156
3	.000684	.000840
4	.002508	.003349
5	.007216	.010564
6	.016960	.027524
7	.033484	.061008
8	.056666	.117674
9	.083465	.201139
10	.108290	.309429
11	.124950	.434379
12	.129222	.563601
13	.120556	.684158
14	.102009	.786167
15	.078643	.864810
16	.055453	.920263
17	.035882	.956145
18	.021365	.977510
19	.011735	.989245
20	.005958	.995203
21	.002801	.998004
22	.001221	.999225
23	.000494	.999719
24	.000186	.999904
25	.000065	.999969
26	.000021	.999990
27	.000006	.999997
28	.000002	.999999
29	.000000	.999999

p=.23

x	Individual Term	Cumulative (x or less)
0	.000001	.000001
1	.000009	.000010
2	.000076	.000086
3	.000400	.000485
4	.001552	.002037
5	.004727	.006764
6	.011767	.018531
7	.024603	.043134
8	.044094	.087228
9	.068781	.156009
10	.094508	.250517
11	.115484	.366001
12	.126483	.492484
13	.124967	.617451
14	.111983	.729434
15	.091429	.820863
16	.068275	.889137
17	.046786	.935923
18	.029503	.965425
19	.017161	.982586
20	.009227	.991813
21	.004593	.996407
22	.002120	.998527
23	.000909	.999436
24	.000362	.999798
25	.000134	.999932
26	.000046	.999978
27	.000015	.999993
28	.000004	.999998
29	.000001	.999999
30	.000000	.999999

p=.24

x	Individual Term	Cumulative (x or less)
0	.000000	.000000
1	.000005	.000005
2	.000041	.000046
3	.000230	.000276
4	.000944	.001221
5	.003042	.004263
6	.008005	.012268
7	.017696	.029964
8	.033529	.063493
9	.055294	.118787
10	.080321	.199105
11	.103764	.302872
12	.120148	.423020
13	.125499	.548518
14	.118893	.667412
15	.102624	.770035
16	.081019	.851054
17	.058695	.909749
18	.039130	.948878
19	.024063	.972942
20	.013678	.986620
21	.007199	.993819
22	.003513	.997332
23	.001592	.998924
24	.000670	.999594
25	.000262	.999857
26	.000096	.999952
27	.000032	.999985
28	.000010	.999995
29	.000003	.999998
30	.000001	.999999
31	.000000	.999999

n=

50-100 BINOMIAL TABLES

55

p=.25

x	Individual Term	Cumulative (x or less)
1	.000002	.000003
2	.000022	.000025
3	.000131	.000155
4	.000566	.000721
5	.001924	.002645
6	.005344	.007989
7	.012470	.020459
8	.024940	.045399
9	.043414	.088813
10	.066568	.155380
11	.090774	.246154
12	.110946	.357100
13	.122325	.479425
14	.122325	.601749
15	.111452	.713201
16	.092876	.806077
17	.071023	.877100
18	.049979	.927079
19	.032443	.959522
20	.019466	.978988
21	.010814	.989802
22	.005571	.995373
23	.002664	.998037
24	.001184	.999221
25	.000489	.999711
26	.000188	.999899
27	.000067	.999967
28	.000022	.999989
29	.000007	.999996
30	.000002	.999998
31	.000001	.999999
32	.000000	.999999

p=.26

x	Individual Term	Cumulative (x or less)
1	.000001	.000001
2	.000012	.000013
3	.000073	.000086
4	.000334	.000420
5	.001196	.001616
6	.003503	.005119
7	.008615	.013735
8	.018162	.031897
9	.033325	.065222
10	.053860	.119082
11	.077416	.196498
12	.099734	.296231
13	.115907	.412138
14	.122172	.534309
15	.117329	.651638
16	.103059	.754697
17	.083070	.837767
18	.061616	.899384
19	.042159	.941542
20	.026662	.968205
21	.015613	.983818
22	.008478	.992296
23	.004274	.996570
24	.002002	.998572
25	.000872	.999444
26	.000354	.999798
27	.000133	.999931
28	.000047	.999978
29	.000015	.999993
30	.000005	.999998
31	.000001	.999999
32	.000000	1.000000

p=.27

x	Individual Term	Cumulative (x or less)
1	.000001	.000001
2	.000006	.000007
3	.000040	.000047
4	.000194	.000241
5	.000732	.000973
6	.002256	.003228
7	.005840	.009068
8	.012959	.022027
9	.025031	.047058
10	.042587	.089644
11	.064437	.154081
12	.087387	.241468
13	.106908	.348376
14	.118624	.467000
15	.119924	.586924
16	.110889	.697812
17	.094090	.791902
18	.073468	.865370
19	.052916	.918286
20	.035229	.953514
21	.021716	.975231
22	.012413	.987644
23	.006587	.994231
24	.003249	.997480
25	.001490	.998970
26	.000636	.999606
27	.000253	.999858
28	.000093	.999952
29	.000032	.999984
30	.000010	.999994
31	.000003	.999997
32	.000001	.999998
33	.000000	.999998
34	.000000	.999999

50-100 BINOMIAL TABLES

n=
55

p=.28

x	Individual Term	Cumulative (x or less)
1	.000000	.000000
2	.000003	.000004
3	.000022	.000025
4	.000111	.000136
5	.000440	.000577
6	.001427	.002004
7	.003885	.005889
8	.009065	.014955
9	.018410	.033365
10	.032934	.066299
11	.052395	.118695
12	.074712	.193407
13	.096104	.289511
14	.112121	.401632
15	.119181	.520813
16	.115870	.636683
17	.103374	.740057
18	.084869	.824926
19	.064272	.889198
20	.044490	.934189
21	.029161	.963349
22	.017526	.980875
23	.009779	.990654
24	.005071	.995724
25	.002445	.998169
26	.001097	.999267
27	.000458	.999725
28	.000178	.999903
29	.000065	.999968
30	.000022	.999989
31	.000007	.999996
32	.000002	.999998
33	.000001	.999999
34	.000000	.999999

p=.29

x	Individual Term	Cumulative (x or less)
2	.000002	.000002
3	.000012	.000014
4	.000063	.000076
5	.000261	.000337
6	.000888	.001225
7	.002538	.003763
8	.006220	.009983
9	.013265	.023252
10	.024929	.048181
11	.041655	.089836
12	.062385	.152222
13	.084284	.236906
14	.103278	.339784
15	.115303	.455086
16	.117739	.572825
17	.110325	.683150
18	.095132	.778281
19	.075668	.853949
20	.055632	.909581
21	.037872	.947453
22	.023906	.971359
23	.014010	.985369
24	.007630	.992998
25	.003864	.996863
26	.001821	.998684
27	.000799	.999483
28	.000326	.999809
29	.000124	.999933
30	.000044	.999977
31	.000014	.999992
32	.000004	.999996
33	.000001	.999997
34	.000000	.999998

p=.30

x	Individual Term	Cumulative (x or less)
2	.000001	.000001
3	.000006	.000007
4	.000035	.000042
5	.000152	.000194
6	.000543	.000737
7	.001629	.002366
8	.004189	.006554
9	.009375	.015929
10	.018481	.034410
11	.032402	.066812
12	.050918	.117730
13	.072180	.189910
14	.092803	.282713
15	.108712	.391425
16	.116477	.507902
17	.114519	.622421
18	.103613	.726034
19	.086474	.812507
20	.066708	.879216
21	.047649	.926864
22	.031560	.958424
23	.019406	.977830
24	.011089	.988919
25	.005893	.994813
26	.002914	.997727
27	.001341	.999068
28	.000575	.999643
29	.000229	.999873
30	.000085	.999958
31	.000029	.999987
32	.000009	.999997
33	.000003	1.000000
34	.000001	1.000001
35	.000000	1.000001

n=
55

50-100 BINOMIAL TABLES

p=.31

x	Individual Term	Cumulative (x or less)
3	.000003	.000004
4	.000019	.000023
5	.000087	.000110
6	.000327	.000437
7	.001027	.001464
8	.002769	.004233
9	.006496	.010729
10	.013426	.024154
11	.024675	.048530
12	.040649	.089479
13	.060407	.149885
14	.081418	.231303
15	.099983	.331286
16	.112299	.443585
17	.115746	.559331
18	.105781	.669113
19	.096048	.765161
20	.077674	.842835
21	.058162	.900956
22	.040384	.941380
23	.026032	.967411
24	.015594	.983005
25	.008687	.991693
26	.004503	.996196
27	.002173	.998369
28	.000976	.999346
29	.000408	.999754
30	.000159	.999913
31	.000058	.999971
32	.000019	.999990
33	.000006	.999996
34	.000002	.999998
35	.000000	.999999

p=.32

x	Individual Term	Cumulative (x or less)
3	.000002	.000002
4	.000010	.000012
5	.000049	.000061
6	.000193	.000255
7	.000637	.000891
8	.001797	.002688
9	.004417	.007105
10	.009561	.016666
11	.018406	.035073
12	.031760	.066833
13	.049436	.116269
14	.069792	.186061
15	.089772	.275834
16	.105614	.381448
17	.114020	.495468
18	.113275	.608742
19	.103806	.712548
20	.087930	.800477
21	.068964	.869442
22	.050156	.919598
23	.033865	.953462
24	.021249	.974711
25	.012399	.987110
26	.006733	.993843
27	.003403	.997246
28	.001601	.998847
29	.000702	.999549
30	.000266	.999835
31	.000109	.999943
32	.000038	.999982
33	.000013	.999994
34	.000004	.999998
35	.000001	.999999
36	.000000	1.000000

p=.33

x	Individual Term	Cumulative (x or less)
3	.000001	.000001
4	.000005	.000006
5	.000027	.000034
6	.000112	.000146
7	.000388	.000534
8	.001146	.001680
9	.002947	.004627
10	.006677	.011305
11	.013455	.024759
12	.024299	.049058
13	.039586	.086644
14	.058493	.147137
15	.078747	.225885
16	.096965	.322850
17	.109565	.432414
18	.113925	.546340
19	.109272	.653611
20	.096877	.752488
21	.079526	.852013
22	.060534	.892548
23	.042779	.935326
24	.028093	.963420
25	.017158	.980578
26	.009751	.990329
27	.005159	.995488
28	.002541	.998028
29	.001165	.999193
30	.000497	.999691
31	.000198	.999888
32	.000073	.999961
33	.000025	.999986
34	.000008	.999994
35	.000002	.999997
36	.000001	.999997
37	.000000	.999998

50-100 BINOMIAL TABLES

n=
55

p=.34

x	Individual Term	Cumulative (x or less)
3	.000000	.000000
4	.000003	.000003
5	.000015	.000018
6	.000064	.000083
7	.000232	.000315
8	.000718	.001032
9	.001931	.002963
10	.004575	.007538
11	.009641	.017179
12	.018211	.035390
13	.031031	.066421
14	.047957	.114377
15	.067527	.181904
16	.086966	.268871
17	.102778	.371649
18	.111776	.483425
19	.112132	.595557
20	.103977	.699534
21	.089273	.788808
22	.071074	.859882
23	.052533	.912415
24	.036083	.948499
25	.023050	.971548
26	.013701	.985249
27	.007581	.992830
28	.003905	.996735
29	.001873	.998608
30	.000836	.999445
31	.000347	.999792
32	.000134	.999926
33	.000048	.999975
34	.000016	.999991
35	.000005	.999996
36	.000001	.999997
37	.000000	.999997

p=.35

x	Individual Term	Cumulative (x or less)
4	.000001	.000002
5	.000008	.000010
6	.000036	.000046
7	.000137	.000183
8	.000442	.000624
9	.001242	.001866
10	.003075	.004941
11	.006774	.011715
12	.013375	.025090
13	.023821	.048912
14	.038481	.087392
15	.056636	.144028
16	.076240	.220269
17	.094179	.314448
18	.107059	.421506
19	.112260	.533766
20	.108806	.642572
21	.097646	.740218
22	.081258	.821476
23	.062778	.884254
24	.045071	.929325
25	.030094	.959419
26	.018697	.978116
27	.010814	.988929
28	.005823	.994752
29	.002919	.997671
30	.001362	.999033
31	.000592	.999625
32	.000239	.999864
33	.000090	.999954
34	.000031	.999985
35	.000010	.999995
36	.000003	.999998
37	.000001	.999999
38	.000000	.999999

p=.36

x	Individual Term	Cumulative (x or less)
4	.000001	.000001
5	.000004	.000005
6	.000020	.000025
7	.000079	.000104
8	.000267	.000371
9	.000784	.001155
10	.002029	.003184
11	.004668	.007852
12	.009629	.017481
13	.017915	.035396
14	.030231	.065627
15	.046481	.112108
16	.065363	.177471
17	.084348	.261819
18	.100163	.361982
19	.109718	.471700
20	.111089	.582789
21	.104146	.686935
22	.090536	.777471
23	.073069	.850539
24	.054801	.905341
25	.038224	.943565
26	.024809	.968374
27	.014989	.983362
28	.008431	.991793
29	.004415	.996209
30	.002153	.998361
31	.000976	.999338
32	.000412	.999750
33	.000161	.999911
34	.000059	.999970
35	.000020	.999990
36	.000006	.999996
37	.000002	.999998
38	.000000	.999998

n=

55

50-100 BINOMIAL TABLES

p=.37

x	Individual Term	Cumulative (x or less)
5	.000002	.000003
6	.000011	.000014
7	.000045	.000059
8	.000159	.000217
9	.000486	.000703
10	.001314	.002017
11	.003156	.005173
12	.006796	.011969
13	.013202	.025171
14	.023261	.048432
15	.037341	.085773
16	.054826	.140599
17	.073869	.214468
18	.091587	.306055
19	.104747	.410802
20	.110733	.521535
21	.108389	.629924
22	.098379	.728303
23	.082899	.811203
24	.064916	.876119
25	.047275	.923394
26	.032036	.955430
27	.020209	.975639
28	.011869	.987508
29	.006490	.993997
30	.003303	.997301
31	.001565	.998865
32	.000689	.999554
33	.000282	.999836
34	.000107	.999943
35	.000038	.999981
36	.000012	.999994
37	.000004	.999997
38	.000001	.999998
39	.000000	.999999

p=.38

x	Individual Term	Cumulative (x or less)
5	.000001	.000001
6	.000006	.000007
7	.000025	.000032
8	.000093	.000125
9	.000296	.000421
10	.000835	.001256
11	.002093	.003349
12	.004704	.008053
13	.009536	.017588
14	.017534	.035122
15	.029374	.064496
16	.045008	.109504
17	.063284	.172788
18	.081884	.254672
19	.097733	.352405
20	.107821	.460226
21	.110140	.570366
22	.104326	.674692
23	.091743	.766434
24	.074972	.841407
25	.056979	.898386
26	.040295	.938681
27	.026527	.965207
28	.016258	.981466
29	.009277	.990743
30	.004928	.995671
31	.002436	.998107
32	.001120	.999227
33	.000478	.999705
34	.000190	.999895
35	.000070	.999964
36	.000024	.999988
37	.000007	.999996
38	.000002	.999998
39	.000001	.999999
40	.000000	.999999

p=.39

x	Individual Term	Cumulative (x or less)
5	.000001	.000001
6	.000003	.000004
7	.000014	.000018
8	.000053	.000071
9	.000177	.000248
10	.000521	.000768
11	.001362	.002130
12	.003193	.005323
13	.006752	.012075
14	.012950	.025025
15	.022631	.047655
16	.036172	.083828
17	.053055	.136882
18	.071609	.208492
19	.089156	.297648
20	.102603	.400251
21	.109331	.509582
22	.108028	.617605
23	.099096	.716705
24	.084475	.801180
25	.066971	.868151
26	.049405	.917556
27	.033926	.951482
28	.021691	.973175
29	.012911	.986084
30	.007154	.993238
31	.003689	.996927
32	.001769	.998696
33	.000788	.999484
34	.000326	.999810
35	.000125	.999931
36	.000044	.999971
37	.000015	.999994
38	.000004	.999996
39	.000001	1.000001
40	.000000	1.000000
41	.000000	1.000001

50-100 BINOMIAL TABLES

n=
55

p=.40

x	Individual Term	Cumulative (x or less)
5	.000000	.000000
6	.000002	.000002
7	.000007	.000009
8	.000030	.000039
9	.000104	.000143
10	.000319	.000462
11	.000869	.001331
12	.002125	.003457
13	.004687	.008143
14	.009373	.017516
15	.017080	.034596
16	.028467	.063063
17	.043537	.106600
18	.061274	.167874
19	.079549	.247423
20	.095459	.342882
21	.106065	.448947
22	.109279	.558227
23	.104528	.662755
24	.092914	.755668
25	.076809	.832477
26	.059084	.891561
27	.042307	.933868
28	.028205	.962072
29	.017506	.979579
30	.010115	.989693
31	.005438	.995131
32	.002719	.997850
33	.001263	.999114
34	.000545	.999659
35	.000218	.999877
36	.000081	.999957
37	.000028	.999985
38	.000009	.999994
39	.000003	.999996
40	.000001	.999997
41	.000000	.999997

p=.41

x	Individual Term	Cumulative (x or less)
6	.000001	.000001
7	.000004	.000005
8	.000017	.000021
9	.000060	.000081
10	.000192	.000273
11	.000545	.000817
12	.001388	.002205
13	.003189	.005394
14	.006649	.012043
15	.012629	.024672
16	.021940	.046613
17	.034978	.081591
18	.051314	.132905
19	.069441	.202346
20	.086860	.289206
21	.100601	.389807
22	.108041	.497848
23	.107723	.605570
24	.099811	.705381
25	.086006	.791387
26	.068962	.860350
27	.051473	.911822
28	.035769	.947591
29	.023142	.970734
30	.013938	.984671
31	.007811	.992482
32	.004071	.996553
33	.001972	.998525
34	.000887	.999411
35	.000370	.999781
36	.000143	.999924
37	.000051	.999975
38	.000017	.999991
39	.000005	.999997
40	.000001	.999998
41	.000000	.999998

p=.42

x	Individual Term	Cumulative (x or less)
6	.000000	.000000
7	.000002	.000003
8	.000009	.000012
9	.000034	.000045
10	.000113	.000158
11	.000335	.000493
12	.000888	.001381
13	.002128	.003509
14	.004623	.008132
15	.009149	.017281
16	.016564	.033845
17	.027517	.061361
18	.042065	.103427
19	.059319	.162746
20	.077319	.240066
21	.093317	.333382
22	.104433	.437815
23	.108504	.546319
24	.104762	.651081
25	.094069	.745150
26	.078599	.823749
27	.061132	.884881
28	.044268	.929149
29	.029846	.958995
30	.018731	.977726
31	.010938	.988664
32	.005941	.994605
33	.002998	.997603
34	.001405	.999008
35	.000610	.999618
36	.000246	.999864
37	.000091	.999955
38	.000031	.999987
39	.000010	.999996
40	.000003	.999999
41	.000001	1.000001
42	.000000	1.000001

50-100 BINOMIAL TABLES

p=.43

p=.44

p=.45

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
7	.000001	.000001	7	.000001	.000001	8	.000001	.000002
8	.000005	.000006	8	.000003	.000003	9	.000005	.000007
9	.000019	.000025	9	.000010	.000013	10	.000021	.000028
10	.000065	.000090	10	.000037	.000050	11	.000069	.000097
11	.000202	.000292	11	.000119	.000170	12	.000207	.000304
12	.000558	.000850	12	.000343	.000513	13	.000561	.000865
13	.001392	.002241	13	.000892	.001405	14	.001376	.002241
14	.003150	.005391	14	.002103	.003509	15	.003078	.005319
15	.006495	.011886	15	.004517	.008025	16	.006295	.011614
16	.012249	.024134	16	.008873	.016898	17	.01816	.023430
17	.021198	.045333	17	.015993	.032891	18	.020410	.043841
18	.033760	.079093	18	.026528	.059419	19	.032520	.076360
19	.049596	.128689	19	.040590	.100010	20	.047892	.124253
20	.067346	.196035	20	.057406	.157416	21	.065308	.189561
21	.084675	.280709	21	.075175	.232590	22	.082580	.272140
22	.098720	.379429	22	.091284	.323874	23	.096941	.369081
23	.106852	.486281	23	.102907	.426780	24	.105754	.474835
24	.107477	.593758	24	.107807	.534587	25	.107292	.582128
25	.100538	.694296	25	.105035	.639622	26	.101290	.683417
26	.087513	.781809	26	.095224	.734845	27	.089012	.772429
27	.070909	.852718	27	.080361	.815206	28	.072828	.845258
28	.053493	.906211	28	.063141	.878347	29	.055477	.900735
29	.037571	.943782	29	.046189	.924536	30	.039338	.940073
30	.024554	.968346	30	.031453	.955988	31	.025956	.966030
31	.014944	.983290	31	.019930	.975918	32	.015928	.981957
32	.008455	.991745	32	.011744	.987662	33	.009083	.991040
33	.004446	.996191	33	.006431	.994093	34	.004809	.995849
34	.002170	.998361	34	.003270	.997363	35	.002361	.998209
35	.000982	.999343	35	.001541	.998904	36	.001073	.999282
36	.000412	.999755	36	.000673	.999577	37	.000451	.999733
37	.000159	.999914	37	.000271	.999849	38	.000175	.999908
38	.000057	.999971	38	.000101	.999950	39	.000062	.999970
39	.000019	.999990	39	.000035	.999984	40	.000020	.999990
40	.000006	.999996	40	.000011	.999995	41	.000006	.999997
41	.000002	.999997	41	.000003	.999998	42	.000002	.999998
42	.000000	.999998	42	.000001	.999999	43	.000000	.999999
			43	.000000	.999999			

50-100 BINOMIAL TABLES

n=

55

p=.46

p=.47

p=.48

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
9	.000001	.000001	9	.000001	.000002	8	.000001	.000001
10	.000003	.000004	10	.000006	.000008	9	.000003	.000004
11	.000012	.000016	11	.000022	.000030	10	.000011	.000015
12	.000040	.000056	12	.000071	.000101	11	.000039	.000054
13	.000123	.000179	13	.000208	.000309	12	.000123	.000177
14	.000341	.000520	14	.000554	.000863	13	.000345	.000522
15	.000860	.001380	15	.001343	.002206	14	.000882	.001404
16	.001984	.003363	16	.002977	.005183	15	.002054	.003458
17	.004201	.007564	17	.006057	.011240	16	.004375	.007833
18	.008186	.015750	18	.011339	.022579	17	.008549	.016383
19	.014715	.030465	19	.019581	.042160	18	.015375	.031758
20	.024449	.054914	20	.031256	.073416	19	.025505	.057262
21	.037614	.092528	21	.046196	.119612	20	.039108	.096370
22	.053659	.146187	22	.063312	.182924	21	.055523	.151893
23	.071067	.217255	23	.080555	.263479	22	.073096	.224989
24	.087467	.304722	24	.095247	.358726	23	.089340	.314329
25	.100116	.404838	25	.104736	.463462	24	.101472	.415801
26	.106633	.511471	26	.107168	.570630	25	.107184	.522985
27	.105721	.617192	27	.102076	.672706	26	.105352	.628337
28	.097589	.714781	28	.090520	.763226	27	.096392	.724729
29	.083869	.798651	29	.074736	.837962	28	.082112	.806841
30	.067096	.865746	30	.057439	.895401	29	.065123	.871965
31	.049947	.915693	31	.041078	.936479	30	.048079	.920043
32	.034579	.950272	32	.027321	.963799	31	.033029	.953072
33	.022246	.972519	33	.016886	.980685	32	.021102	.974174
34	.013287	.985806	34	.009689	.990374	33	.012528	.986702
35	.007359	.993165	35	.005155	.995530	34	.006906	.993608
36	.003774	.996939	36	.002540	.998070	35	.003530	.997138
37	.001789	.998728	37	.001157	.999226	36	.001670	.998808
38	.000782	.999510	38	.000486	.999712	37	.000731	.999539
39	.000315	.999825	39	.000188	.999900	38	.000295	.999834
40	.000116	.999941	40	.000067	.999966	39	.000109	.999943
41	.000039	.999981	41	.000022	.999988	40	.000037	.999980
42	.000012	.999993	42	.000006	.999994	41	.000012	.999992
43	.000003	.999996	43	.000002	.999996	42	.000003	.999995
44	.000001	.999997	44	.000000	.999996	43	.000001	.999996
45	.000000	.999997	45	.000000	.999997	44	.000000	.999996

p=.49

x	Individual Term	Cumulative (x or less)
10	.000002	.000002
11	.000006	.000008
12	.000022	.000031
13	.000071	.000102
14	.000205	.000307
15	.000539	.000846
16	.001294	.002139
17	.002852	.004991
18	.005784	.010775
19	.010822	.021597
20	.018715	.040312
21	.029969	.070281
22	.044500	.114781
23	.061343	.176125
24	.078584	.254708
25	.093623	.348331
26	.103790	.452120
27	.107106	.559226
28	.102906	.662132
29	.092052	.754183
30	.076649	.830833
31	.059390	.890223
32	.042796	.933019
33	.028658	.961676
34	.017816	.979492
35	.010270	.989763
36	.005482	.995245
37	.002705	.997949
38	.001231	.999180
39	.000516	.999696
40	.000198	.999894
41	.000070	.999963
42	.000022	.999986
43	.000006	.999992
44	.000002	.999994
45	.000000	.999994

p=.50

x	Individual Term	Cumulative (x or less)
10	.000001	.000001
11	.000003	.000004
12	.000012	.000017
13	.000040	.000057
14	.000121	.000178
15	.000330	.000508
16	.000826	.001334
17	.001894	.003228
18	.003999	.007227
19	.007788	.015015
20	.014018	.029032
21	.023363	.052395
22	.036106	.088501
23	.051804	.140305
24	.069072	.209377
25	.085650	.295027
26	.098827	.393854
27	.106147	.500001
28	.106147	.606148
29	.098827	.704974
30	.085650	.790624
31	.069072	.859696
32	.051804	.911500
33	.036106	.947606
34	.023363	.970969
35	.014018	.984987
36	.007788	.992774
37	.003999	.996773
38	.001894	.998668
39	.000826	.999493
40	.000330	.999824
41	.000121	.999944
42	.000040	.999985
43	.000012	.999997
44	.000003	1.000001
45	.000001	1.000002
46	.000000	1.000002

50-100 BINOMIAL TABLES

II= 60

p=.01

x	Individual Term	Cumulative (x or less)
0	.547157	.547157
1	.331610	.878767
2	.098813	.977580
3	.019297	.996877
4	.002778	.999654
5	.000314	.999968
6	.000029	.999998
7	.000002	1.000000
8	.000000	1.000001

p=.02

x	Individual Term	Cumulative (x or less)
0	.297553	.297553
1	.364351	.661904
2	.219354	.881258
3	.086548	.967806
4	.025170	.992976
5	.005753	.998729
6	.001076	.999805
7	.000169	.999974
8	.000023	.999997
9	.000003	1.000000
10	.000000	1.000001

p=.03

x	Individual Term	Cumulative (x or less)
0	.160807	.160807
1	.298404	.459211
2	.272255	.731466
3	.162792	.894258
4	.071746	.966004
5	.024852	.990856
6	.007046	.997902
7	.001681	.999583
8	.000344	.999927
9	.000062	.999989
10	.000010	.999998
11	.000001	1.000000
12	.000000	1.000000

p=.04

x	Individual Term	Cumulative (x or less)
0	.086352	.086352
1	.215881	.302233
2	.265354	.567587
3	.213757	.781344
4	.126918	.908262
5	.059228	.967490
6	.022622	.990112
7	.007271	.997384
8	.002007	.999391
9	.000483	.999874
10	.000103	.999977
11	.000019	.999996
12	.000003	.999999
13	.000001	1.000000
14	.000000	1.000001

p=.05

x	Individual Term	Cumulative (x or less)
0	.046070	.046070
1	.145484	.191553
2	.225882	.417436
3	.229845	.647281
4	.172384	.819665
5	.101616	.921281
6	.049025	.970306
7	.019905	.990211
8	.006941	.997151
9	.002111	.999262
10	.000567	.999829
11	.000136	.999964
12	.000029	.999993
13	.000006	.999999
14	.000001	1.000000
15	.000000	1.000001

p=.06

x	Individual Term	Cumulative (x or less)
0	.024416	.024416
1	.093507	.117923
2	.176072	.293996
3	.217281	.511277
4	.197633	.708910
5	.141287	.850196
6	.082668	.932864
7	.040706	.973570
8	.017213	.990783
9	.006348	.997131
10	.002067	.999198
11	.000600	.999798
12	.000156	.999954
13	.000037	.999991
14	.000008	.999999
15	.000002	1.000001
16	.000000	1.000000

n-
60

50-100 BINOMIAL TABLES

p=.07

x	Individual Term	Cumulative (x or less)
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0	.012852	.012852
1	.058042	.070894
2	.126878	.199773
3	.187543	.387316
4	.201155	.588472

5	.169576	.758048
6	.117002	.875049
7	.067936	.942986
8	.033877	.976863
9	.014733	.991595

10	.005655	.997251
11	.001935	.999185
12	.000595	.999780
13	.000165	.999945
14	.000042	.999987

15	.000010	.999997
16	.000002	.999999
17	.000000	.999999

p=.08

x	Individual Term	Cumulative (x or less)
---	-----------------	------------------------

0	.006718	.006718
1	.035053	.041771
2	.089918	.131689
3	.151167	.282856
4	.187315	.470171

5	.182429	.652600
6	.145414	.798014
7	.097545	.895558
8	.056194	.951753
9	.028233	.979986

10	.012521	.992506
11	.004949	.997455
12	.001757	.999212
13	.000564	.999777
14	.000165	.999941

15	.000044	.999985
16	.000011	.999996
17	.000002	.999998
18	.000001	.999999
19	.000000	.999999

20	.000000	.999999
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p=.09

x	Individual Term	Cumulative (x or less)
---	-----------------	------------------------

0	.003487	.003487
1	.020694	.024181
2	.060375	.084556
3	.115443	.199999
4	.162698	.362697

5	.180219	.542917
6	.163386	.706302
7	.124655	.830958
8	.081677	.912634
9	.046672	.959307

10	.023541	.982848
11	.010583	.993431
12	.004274	.997705
13	.001561	.999265
14	.000318	.999784

15	.000157	.999941
16	.000044	.999985
17	.000011	.999996
18	.000003	.999998
19	.000001	.999999

20	.000000	.999999
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p=.10

x	Individual Term	Cumulative (x or less)
---	-----------------	------------------------

0	.001797	.001797
1	.011980	.013777
2	.039268	.053045
3	.084353	.137399
4	.133560	.270958

5	.166207	.437166
6	.169285	.606451
7	.145102	.751553
8	.106811	.858364
9	.068570	.926934

10	.038856	.965790
11	.019624	.985414
12	.008904	.994318
13	.003653	.997971
14	.001363	.999333

15	.000464	.999798
16	.000145	.999943
17	.000042	.999985
18	.000011	.999996
19	.000003	.999998

20	.000001	.999999
21	.000000	.999999

p=.11

x	Individual Term	Cumulative (x or less)
---	-----------------	------------------------

0	.000919	.000919
1	.006816	.007736
2	.024853	.032589
3	.059387	.091975
4	.104594	.196569

5	.144786	.341355
6	.164036	.505391
7	.156401	.661792
8	.128064	.789856
9	.091451	.881307

10	.057645	.938952
11	.032385	.971337
12	.016344	.987681
13	.007459	.995140
14	.003095	.998235

15	.001173	.999408
16	.000408	.999816
17	.000130	.999946
18	.000039	.999985
19	.000011	.999995

20	.000003	.999998
21	.000001	.999998
22	.000000	.999998

p=.12

x	Individual Term	Cumulative (x or less)
---	-----------------	------------------------

0	.000467	.000467
1	.003818	.004284
2	.015358	.019642
3	.040489	.060131
4	.078577	.138808

5	.120162	.258970
6	.150202	.409172
7	.158005	.567177
8	.142743	.709920
9	.112464	.822384

10	.078214	.900598
11	.048480	.949077
12	.026994	.976072
13	.013592	.989663
14	.006222	.995885

15	.002602	.998487
16	.000998	.999485
17	.000352	.999837
18	.000115	.999952
19	.000035	.999987

20	.000010	.999996
21	.000003	.999999
22	.000001	.999999
23	.000000	.999999

50-100 BINOMIAL TABLES

$n =$
60

$p = .13$

x	Individual Term	Cumulative (x or less)
0	.000235	.000235
1	.002107	.002342
2	.009289	.011632
3	.026835	.038467
4	.057141	.095608
5	.095629	.191236
6	.130986	.322222
7	.150988	.473210
8	.149470	.622680
9	.129044	.751724
10	.098340	.850064
11	.066793	.916858
12	.040754	.957612
13	.022485	.980097
14	.011279	.991376
15	.005169	.996345
16	.002172	.998717
17	.000840	.999557
18	.000300	.999857
19	.000099	.999956
20	.000030	.999987
21	.000009	.999995
22	.000002	.999998
23	.000001	.999998
24	.000000	.999998

$p = .14$

x	Individual Term	Cumulative (x or less)
0	.000117	.000117
1	.001147	.001265
2	.005510	.006775
3	.017341	.024116
4	.040227	.064343
5	.073345	.137687
6	.109448	.247136
7	.137447	.384582
8	.148234	.532817
9	.139425	.672241
10	.115755	.787996
11	.085654	.873650
12	.056936	.930586
13	.034223	.964809
14	.018703	.983512
15	.009337	.992849
16	.004275	.997124
17	.001801	.998926
18	.000700	.999626
19	.000252	.999878
20	.000084	.999962
21	.000026	.999983
22	.000008	.999996
23	.000002	.999998
24	.000001	.999998
25	.000000	.999999

$p = .15$

x	Individual Term	Cumulative (x or less)
0	.000058	.000058
1	.000617	.000675
2	.003210	.003684
3	.010950	.014835
4	.027537	.042372
5	.054426	.096799
6	.088043	.184841
7	.119857	.304698
8	.140127	.444825
9	.142874	.587699
10	.128587	.716286
11	.103145	.819430
12	.074325	.893755
13	.048429	.942184
14	.028691	.970875
15	.015527	.986402
16	.007706	.994108
17	.003520	.997628
18	.001484	.999112
19	.000579	.999691
20	.000209	.999900
21	.000070	.999970
22	.000022	.999992
23	.000006	.999999
24	.000002	1.000002
25	.000000	1.000000

n=

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50-100 BINOMIAL TABLES

p=.16

<i>x</i>	Individual Term	Cumulative (x or less)
0	.000029	.000029
1	.000327	.000356
2	.001838	.002194
3	.006770	.008964
4	.018374	.027338
5	.039199	.066537
6	.068442	.134979
7	.100569	.235348
8	.126908	.362456
9	.139666	.502121
10	.135675	.637797
11	.117468	.755264
12	.091364	.846628
13	.064256	.910834
14	.041089	.951973
15	.024001	.975974
16	.012858	.988832
17	.006339	.995171
18	.002884	.998055
19	.001214	.999269
20	.000474	.999744
21	.000172	.999916
22	.000058	.999974
23	.000018	.999992
24	.000005	.999997
25	.000001	.999999
26	.000000	.999999

p=.17

<i>x</i>	Individual Term	Cumulative (x or less)
0	.000014	.000014
1	.000171	.000185
2	.001036	.001222
3	.004103	.005324
4	.011975	.017299
5	.027470	.044769
6	.051574	.096343
7	.081489	.177832
8	.110575	.288408
9	.130855	.419263
10	.136688	.555951
11	.127256	.683207
12	.106430	.789637
13	.080488	.870125
14	.055344	.925469
15	.034762	.960232
16	.020025	.980257
17	.010616	.990873
18	.005194	.996067
19	.002352	.998419
20	.000987	.999406
21	.000385	.999791
22	.000140	.999931
23	.000047	.999978
24	.000015	.999993
25	.000004	.999998
26	.000001	.999999
27	.000000	.999999

p=.18

<i>x</i>	Individual Term	Cumulative (x or less)
0	.000007	.000007
1	.000089	.000096
2	.000575	.000671
3	.002441	.003111
4	.007634	.010745
5	.018769	.029514
6	.037767	.067281
7	.063953	.131234
8	.093005	.224239
9	.117957	.342196
10	.132055	.474251
11	.131762	.606013
12	.118104	.724116
13	.095724	.819840
14	.070342	.890382
15	.047487	.937869
16	.029317	.967186
17	.016657	.983843
18	.008735	.992577
19	.004238	.996816
20	.001907	.998723
21	.000797	.999921
22	.000310	.999981
23	.000113	.999943
24	.000038	.999981
25	.000012	.999993
26	.000004	.999997
27	.000001	.999998
28	.000000	.999998

50-100 BINOMIAL TABLES

n=
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p=.19

p=.20

p=.21

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
0	.000003	.000003	0	.000002	.000002	0	.000001	.000001
1	.000045	.000049	1	.000023	.000025	1	.000011	.000012
2	.000314	.000363	2	.000170	.000194	2	.000090	.000102
3	.001426	.001789	3	.000819	.001013	3	.000463	.000565
4	.004767	.006557	4	.002919	.003933	4	.001754	.002320
5	.012524	.019081	5	.008174	.012106	5	.005223	.007542
6	.026930	.046011	6	.018731	.030837	6	.012726	.020269
7	.048730	.094742	7	.036124	.066962	7	.026097	.046366
8	.075728	.170469	8	.059831	.126792	8	.045959	.092325
9	.102632	.273102	9	.086422	.213215	9	.070587	.162911
10	.122779	.395880	10	.110189	.323403	10	.095694	.258605
11	.130909	.526789	11	.125214	.448618	11	.115626	.374231
12	.125387	.652176	12	.127823	.576440	12	.125505	.499736
13	.108597	.760773	13	.117990	.694430	13	.123183	.622919
14	.085518	.846291	14	.099027	.793458	14	.109929	.732848
15	.061517	.907808	15	.075921	.869379	15	.089613	.822461
16	.040584	.948392	16	.053382	.922761	16	.066997	.889458
17	.024639	.973031	17	.034541	.957302	17	.046095	.935553
18	.013807	.986838	18	.020629	.977931	18	.029271	.964824
19	.007159	.993997	19	.011400	.989331	19	.017200	.982024
20	.003443	.997439	20	.005843	.995174	20	.009373	.991397
21	.001538	.998977	21	.002782	.997956	21	.004746	.996143
22	.000640	.999617	22	.001233	.999189	22	.002236	.998379
23	.000248	.999865	23	.000509	.999698	23	.000982	.999361
24	.000090	.999954	24	.000196	.999895	24	.000403	.999764
25	.000030	.999985	25	.000071	.999965	25	.000154	.999918
26	.000010	.999994	26	.000024	.999989	26	.000055	.999973
27	.000003	.999997	27	.000007	.999997	27	.000018	.999991
28	.000001	.999998	28	.000002	.999999	28	.000006	.999997
29	.000000	.999998	29	.000001	1.000000	29	.000002	.999999
			30	.000000	1.000000	30	.000000	.999999
						31	.000000	1.000000

n=

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50-100 BINOMIAL TABLES

p=.22

x	Individual Term	Cumulative (x or less)
0	.000000	.000000
1	.000006	.000006
2	.000047	.000053
3	.000258	.000311
4	.001035	.001346
5	.003271	.004617
6	.008456	.013073
7	.018399	.031472
8	.034380	.065852
9	.056027	.121879
10	.080592	.202471
11	.103324	.305795
12	.118999	.424793
13	.123928	.548721
14	.117345	.666066
15	.101499	.767565
16	.080516	.848081
17	.058778	.906858
18	.039604	.946462
19	.024692	.971154
20	.014277	.985431
21	.007670	.993102
22	.003835	.996937
23	.001787	.998724
24	.000777	.999501
25	.000316	.999817
26	.000120	.999937
27	.000043	.999979
28	.000014	.999993
29	.000004	.999998
30	.000001	.999999
31	.000000	.999999

p=.23

x	Individual Term	Cumulative (x or less)
1	.000003	.000003
2	.000024	.000027
3	.000141	.000168
4	.000600	.000769
5	.002009	.002778
6	.005500	.008278
7	.012674	.020952
8	.029081	.046033
9	.043286	.089319
10	.065940	.155259
11	.089529	.244789
12	.109199	.353988
13	.120435	.474423
14	.120770	.595193
15	.110628	.705820
16	.092938	.798758
17	.071851	.870609
18	.051270	.921880
19	.033853	.955733
20	.020730	.976462
21	.011794	.988257
22	.006245	.994502
23	.003082	.997584
24	.001419	.999003
25	.000610	.999614
26	.000245	.999859
27	.000092	.999952
28	.000033	.999984
29	.000011	.999995
30	.000003	.999998
31	.000001	.999999
32	.000000	.999999

p=.24

x	Individual Term	Cumulative (x or less)
1	.000001	.000001
2	.000012	.000014
3	.000076	.000090
4	.000342	.000432
5	.001211	.001643
6	.003505	.005149
7	.008539	.013688
8	.017865	.031553
9	.032596	.064149
10	.052496	.116645
11	.075354	.191998
12	.097166	.289165
13	.113295	.402460
14	.120110	.522570
15	.116317	.638887
16	.103308	.742195
17	.084437	.826633
18	.063698	.890331
19	.044465	.934797
20	.028785	.963582
21	.017315	.980897
22	.009693	.990590
23	.005057	.995647
24	.002462	.998109
25	.001120	.999228
26	.000476	.999704
27	.000189	.999894
28	.000070	.999964
29	.000025	.999988
30	.000008	.999996
31	.000002	.999999
32	.000001	1.000000
33	.000000	1.000000

50-100 BINOMIAL TABLES

n=

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p=.25

p=.26

p=.27

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
1	.000001	.000001	1	.000000	.000000	2	.000002	.000002
2	.000006	.000007	2	.000003	.000003	3	.000011	.000013
3	.000040	.000047	3	.000021	.000025	4	.000057	.000070
4	.000192	.000239	4	.000106	.000131	5	.000238	.000308
5	.000717	.000956	5	.000417	.000547	6	.000807	.001116
6	.002190	.003146	6	.001342	.001890	7	.002304	.003420
7	.005632	.008778	7	.003638	.005528	8	.005646	.009065
8	.012437	.021215	8	.008469	.013997	9	.012064	.021130
9	.023953	.045167	9	.017193	.031190	10	.022757	.043887
10	.040719	.085887	10	.030807	.061997	11	.036259	.082146
11	.061696	.147583	11	.049201	.111199	12	.057782	.139928
12	.083975	.231558	12	.070588	.181787	13	.078910	.218837
13	.103354	.334911	13	.091574	.273360	14	.097981	.316818
14	.115658	.450569	14	.108015	.381375	15	.111134	.427952
15	.118228	.568797	15	.116383	.497758	16	.115606	.543559
16	.110839	.679636	16	.115007	.612765	17	.110669	.654228
17	.095626	.775261	17	.104585	.717351	18	.097783	.752011
18	.076146	.851408	18	.087782	.805133	19	.079946	.831957
19	.056108	.907515	19	.068178	.873311	20	.060617	.892574
20	.038340	.945856	20	.049107	.922418	21	.042705	.935279
21	.024343	.970199	21	.032864	.955282	22	.028000	.963279
22	.014385	.984583	22	.020469	.975751	23	.017110	.980389
23	.007922	.992505	23	.011882	.987634	24	.009756	.990145
24	.004071	.996576	24	.006436	.994070	25	.005196	.995341
25	.001954	.998530	25	.003256	.997326	26	.002587	.997929
26	.000877	.999407	26	.001540	.998867	27	.001205	.999134
27	.000368	.999775	27	.000681	.999548	28	.000525	.999659
28	.000145	.999920	28	.000282	.999830	29	.000214	.999873
29	.000053	.999973	29	.000109	.999940	30	.000082	.999955
30	.000018	.999991	30	.000040	.999979	31	.000029	.999985
31	.000006	.999997	31	.000014	.999993	32	.000010	.999994
32	.000002	.999999	32	.000004	.999997	33	.000003	.999997
33	.000001	1.000000	33	.000001	.999998	34	.000001	.999998
34	.000000	1.000000	34	.000000	.999999	35	.000000	.999999

n=

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50-100 BINOMIAL TABLES

p=.28

x	Individual Term	Cumulative (x or less)
2	.000001	.000001
3	.000006	.000006
4	.000031	.000037
5	.000134	.000171
6	.000477	.000648
7	.001431	.002078
8	.003686	.005764
9	.008282	.014047
10	.016426	.030473
11	.029037	.059510
12	.046109	.105619
13	.066208	.171826
14	.086438	.258264
15	.103085	.361349
16	.112749	.474098
17	.113486	.587585
18	.105430	.693015
19	.090633	.783648
20	.072255	.855902
21	.053522	.909424
22	.036898	.946322
23	.023707	.970029
24	.014213	.984242
25	.007959	.992202
26	.004167	.996368
27	.002041	.998409
28	.000935	.999344
29	.000401	.999745
30	.000161	.999907
31	.000061	.999967
32	.000021	.999989
33	.000007	.999996
34	.000002	.999998
35	.000001	.999999
36	.000000	.999999

p=.29

x	Individual Term	Cumulative (x or less)
3	.000003	.000003
4	.000016	.000019
5	.000074	.000093
6	.000277	.000370
7	.000872	.001241
8	.002358	.003600
9	.005366	.009166
10	.011594	.020760
11	.021525	.042285
12	.035901	.078186
13	.054143	.132329
14	.074242	.206572
15	.092995	.299566
16	.106829	.406396
17	.112936	.519332
18	.110197	.629929
19	.099496	.729025
20	.083310	.812335
21	.064815	.877190
22	.046931	.924081
23	.031671	.955752
24	.019943	.975695
25	.011730	.987424
26	.006449	.993874
27	.003317	.997191
28	.001597	.998788
29	.000720	.999508
30	.000304	.999811
31	.000120	.999932
32	.000044	.999976
33	.000015	.999991
34	.000005	.999996
35	.000002	.999998
36	.000000	.999998

p=.30

x	Individual Term	Cumulative (x or less)
3	.000001	.000002
4	.000008	.000010
5	.000040	.000050
6	.000158	.000208
7	.000521	.000729
8	.001479	.002208
9	.003663	.005871
10	.008007	.013878
11	.015597	.029475
12	.027295	.056771
13	.043193	.099963
14	.062145	.162108
15	.081676	.243784
16	.098449	.342233
17	.109204	.451436
18	.111804	.563240
19	.105919	.669159
20	.093058	.762217
21	.075965	.838183
22	.057714	.895897
23	.040866	.936762
24	.027001	.963763
25	.016663	.980426
26	.009613	.990040
27	.005188	.995228
28	.002621	.997848
29	.001239	.999088
30	.000549	.999637
31	.000228	.999864
32	.000088	.999933
33	.000032	.999985
34	.000011	.999996
35	.000003	.999999
36	.000001	1.000001
37	.000000	1.000001

50-100 BINOMIAL TABLES

n=

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p=.31

p=.32

p=.33

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
3	.000001	.000001	3	.000000	.000000	4	.000001	.000001
4	.000004	.000005	4	.000002	.000002	5	.000006	.000007
5	.000021	.000026	5	.000011	.000014	6	.000026	.000033
6	.000088	.000115	6	.000049	.000062	7	.000100	.000133
7	.000306	.000120	7	.000176	.000238	8	.000325	.000458
8	.000910	.001330	8	.000549	.000788	9	.000925	.001583
9	.002362	.003693	9	.001493	.002281	10	.002324	.003707
10	.005413	.009105	10	.003583	.005864	11	.005203	.008910
11	.011053	.020159	11	.007665	.013529	12	.010464	.019373
12	.020278	.040437	12	.014728	.028257	13	.019029	.038403
13	.033638	.074075	13	.025591	.053849	14	.031465	.069868
14	.050736	.124811	14	.040430	.094279	15	.047527	.117395
15	.069903	.194715	15	.058346	.152625	16	.065837	.183232
16	.088329	.283043	16	.077223	.229848	17	.083929	.267161
17	.102711	.385755	17	.094057	.323905	18	.098752	.365913
18	.110237	.495991	18	.105738	.429643	19	.107518	.473431
19	.109480	.605471	19	.109993	.539636	20	.108561	.581993
20	.100833	.706304	20	.106111	.615747	21	.101849	.683841
21	.086289	.792593	21	.095114	.740861	22	.088927	.772769
22	.068724	.861317	22	.079346	.820207	23	.072365	.845134
23	.051013	.912330	23	.061691	.881898	24	.054949	.900083
24	.035333	.947663	24	.044756	.926654	25	.038973	.939056
25	.022859	.970522	25	.030329	.956983	26	.025840	.964896
26	.013825	.984346	26	.019213	.976196	27	.016027	.980923
27	.007822	.992168	27	.011385	.987582	28	.009303	.990226
28	.004142	.996309	28	.006315	.993896	29	.005056	.995283
29	.002053	.998363	29	.003279	.997175	30	.002573	.997856
30	.000953	.999316	30	.001594	.998770	31	.001227	.999083
31	.000414	.999730	31	.000726	.999496	32	.000548	.999630
32	.000169	.999899	32	.000310	.999806	33	.000229	.999859
33	.000064	.999963	33	.000124	.999929	34	.000089	.999948
34	.000023	.999986	34	.000046	.999975	35	.000033	.999981
35	.000008	.999994	35	.000016	.999992	36	.000011	.999992
36	.000002	.999996	36	.000005	.999997	37	.000004	.999996
37	.000001	.999997	37	.000002	.999999	38	.000001	.999997
38	.000000	.999997	38	.000000	.999999	39	.000000	.999997

n=

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50-100 BINOMIAL TABLES

p=.34

p=.35

p=.36

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
4	.000001	.000001	5	.000001	.000002	5	.000001	.000001
5	.000003	.000004	6	.000007	.000009	6	.000004	.000005
6	.000014	.000017	7	.000030	.000039	7	.000016	.000021
7	.000055	.000073	8	.000108	.000147	8	.000060	.000081
8	.000189	.000262	9	.000335	.000482	9	.000196	.000277
9	.000562	.000824	10	.000920	.001402	10	.000562	.000838
10	.001477	.002301	11	.002251	.003653	11	.001436	.002274
11	.003458	.005759	12	.004550	.008603	12	.003298	.005572
12	.007274	.013033	13	.009841	.018444	13	.006849	.012420
13	.013836	.026869	14	.017789	.036233	14	.012933	.025354
14	.023929	.050798	15	.029373	.065608	15	.022310	.047664
15	.037803	.088601	16	.044487	.110095	16	.035295	.082959
16	.054771	.143372	17	.062000	.172095	17	.051385	.134344
17	.073028	.216400	18	.079752	.251847	18	.069049	.203394
18	.089871	.306272	19	.094927	.346774	19	.085857	.289251
19	.102342	.408613	20	.104785	.451559	20	.099004	.388255
20	.108079	.516692	21	.107472	.559030	21	.106076	.494331
21	.106051	.622744	22	.102587	.661617	22	.105775	.600105
22	.096849	.719592	23	.091264	.752881	23	.098301	.698407
23	.082430	.802022	24	.075761	.828642	24	.085246	.783652
24	.065465	.867487	25	.058744	.887386	25	.069049	.852701
25	.048563	.916050	26	.042581	.929967	26	.052285	.904986
26	.033677	.949727	27	.028872	.958839	27	.037035	.942021
27	.021847	.971574	28	.018323	.977162	28	.024552	.966573
28	.013264	.984838	29	.010887	.988049	29	.015239	.981813
29	.007540	.992378	30	.006058	.994106	30	.008858	.990670
30	.004014	.996392	31	.003157	.997263	31	.004822	.995492
31	.002001	.998392	32	.001540	.998803	32	.002458	.997950
32	.000934	.999327	33	.000704	.999507	33	.001173	.999123
33	.000408	.999735	34	.000301	.999808	34	.000524	.999647
34	.000167	.999902	35	.000120	.999928	35	.000219	.999866
35	.000064	.999966	36	.000045	.999973	36	.000086	.999952
36	.000023	.999989	37	.000016	.999989	37	.000031	.999983
37	.000008	.999996	38	.000005	.999994	38	.000011	.999994
38	.000002	.999999	39	.000002	.999995	39	.000003	.999997
39	.000001	.999999	40	.000000	.999996	40	.000001	.999998
40	.000000	1.000000				41	.000000	.999998

50-100 BINOMIAL TABLES

n =
60

p = .37

x	Individual Term	Cumulative (x or less)
6	.000002	.000002
7	.000008	.000011
8	.000033	.000044
9	.000112	.000156
10	.000336	.000492
11	.000897	.001389
12	.002151	.003540
13	.004665	.008205
14	.009198	.017403
15	.016366	.033969
16	.027363	.061332
17	.041594	.102927
18	.058356	.161283
19	.075761	.237044
20	.091214	.328258
21	.102038	.430296
22	.106235	.536531
23	.103082	.639612
24	.093333	.732945
25	.078933	.811878
26	.062404	.874282
27	.046152	.920434
28	.031945	.952379
29	.020702	.973082
30	.012564	.985646
31	.007141	.992786
32	.003801	.996587
33	.001894	.998481
34	.000883	.999364
35	.000385	.999750
36	.000157	.999907
37	.000060	.999967
38	.000021	.999988
39	.000007	.999995
40	.000002	.999997
41	.000001	.999998
42	.000000	.999998

p = .38

x	Individual Term	Cumulative (x or less)
6	.000001	.000001
7	.000004	.000006
8	.000018	.000023
9	.000063	.000086
10	.000197	.000284
11	.000549	.000833
12	.001374	.002207
13	.003110	.005318
14	.006400	.011718
15	.012029	.023747
16	.020736	.044483
17	.032894	.077378
18	.048163	.125540
19	.065253	.190793
20	.081987	.272780
21	.095714	.368494
22	.103995	.472488
23	.105307	.577796
24	.099504	.677300
25	.087820	.765120
26	.072457	.837577
27	.055923	.893500
28	.040396	.933896
29	.027320	.961216
30	.017303	.978518
31	.010263	.988781
32	.005700	.994481
33	.002964	.997446
34	.001443	.998888
35	.000657	.999545
36	.000280	.999825
37	.000111	.999936
38	.000041	.999977
39	.000014	.999992
40	.000005	.999996
41	.000001	.999998
42	.000000	.999998

p = .39

x	Individual Term	Cumulative (x or less)
6	.000000	.000001
7	.000002	.000003
8	.000009	.000012
9	.000035	.000047
10	.000113	.000160
11	.000329	.000490
12	.000860	.001350
13	.002030	.003380
14	.004358	.007738
15	.008544	.016282
16	.015364	.031646
17	.025424	.057070
18	.038830	.095900
19	.054878	.150779
20	.071927	.222706
21	.087592	.310298
22	.099276	.409573
23	.104866	.514439
24	.103361	.617800
25	.095160	.712961
26	.081900	.794661
27	.065938	.860799
28	.049683	.910484
29	.035052	.945536
30	.023157	.968693
31	.014328	.983021
32	.008302	.991323
33	.004503	.995826
34	.002286	.998112
35	.001086	.999198
36	.000482	.999680
37	.000200	.999880
38	.000077	.999958
39	.000028	.999986
40	.000009	.999995
41	.000003	.999998
42	.000001	.999999
43	.000000	.999999

n=

60

50-100 BINOMIAL TABLES

p=.40

x	Individual Term	Cumulative (x or less)
6	.000000	.000000
7	.000001	.000001
8	.000005	.000006
9	.000019	.000025
10	.000064	.000089
11	.000194	.000283
12	.000527	.000810
13	.001298	.002107
14	.002904	.005011
15	.005937	.010548
16	.011132	.022080
17	.019208	.041288
18	.030591	.071879
19	.045081	.116960
20	.061610	.178570
21	.078236	.256806
22	.092460	.349266
23	.101840	.451106
24	.104669	.555775
25	.100482	.656257
26	.090176	.746433
27	.075704	.822137
28	.059481	.881618
29	.043756	.925375
30	.030143	.955518
31	.019447	.974965
32	.011749	.986715
33	.006646	.993361
34	.003519	.996879
35	.001743	.998622
36	.000807	.999429
37	.000349	.999777
38	.000141	.999918
39	.000053	.999971
40	.000019	.999990
41	.000006	.999996
42	.000002	.999997
43	.000001	.999998
44	.000000	.999998

p=.41

x	Individual Term	Cumulative (x or less)
7	.000001	.000001
8	.000002	.000003
9	.000010	.000013
10	.000035	.000048
11	.000112	.000160
12	.000316	.000476
13	.000812	.001288
14	.001894	.003182
15	.004036	.007218
16	.007888	.015106
17	.014188	.029294
18	.023553	.052848
19	.036181	.089028
20	.051542	.140570
21	.068224	.208794
22	.084044	.292838
23	.096493	.389331
24	.103376	.492707
25	.103446	.596152
26	.096770	.692922
27	.084681	.777603
28	.069354	.846957
29	.053181	.900138
30	.038188	.938326
31	.025681	.964007
32	.016173	.980181
33	.009536	.989717
34	.005263	.994980
35	.002717	.997696
36	.001311	.999007
37	.000591	.999598
38	.000249	.999847
39	.000097	.999944
40	.000036	.999980
41	.000012	.999992
42	.000004	.999995
43	.000001	.999996
44	.000000	.999997

p=.42

x	Individual Term	Cumulative (x or less)
7	.000000	.000000
8	.000001	.000002
9	.000005	.000007
10	.000019	.000026
11	.000063	.000089
12	.000186	.000275
13	.000497	.000772
14	.001209	.001981
15	.002684	.004665
16	.005467	.010133
17	.010247	.020380
18	.017726	.038106
19	.028375	.066481
20	.042122	.086003
21	.058099	.166703
22	.074582	.241285
23	.089230	.330515
24	.099615	.430130
25	.103874	.534004
26	.101257	.635261
27	.092334	.727594
28	.078802	.806396
29	.062967	.869363
30	.047116	.916479
31	.033018	.949498
32	.021668	.971166
33	.013313	.984479
34	.007656	.992135
35	.004118	.996253
36	.002071	.998324
37	.000973	.999297
38	.000426	.999723
39	.000174	.999898
40	.000066	.999964
41	.000023	.999987
42	.000008	.999995
43	.000002	.999997
44	.000001	.999998
45	.000000	.999998

50-100 BINOMIAL TABLES

$n =$
60

$p = .43$

$p = .44$

$p = .45$

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
8	.000001	.000001	8	.000000	.000000	9	.000001	.000001
9	.000003	.000003	9	.000001	.000002	10	.000003	.000003
10	.000010	.000014	10	.000005	.000007	11	.000010	.000013
11	.000035	.000048	11	.000019	.000025	12	.000033	.000047
12	.000107	.000155	12	.000060	.000086	13	.000100	.000147
13	.000298	.000453	13	.000175	.000261	14	.000276	.000423
14	.000755	.001209	14	.000462	.000723	15	.000692	.001116
15	.001747	.002955	15	.001112	.001835	16	.001593	.002709
16	.003706	.006662	16	.002457	.004292	17	.003374	.006083
17	.007237	.013898	17	.004997	.009289	18	.006595	.012678
18	.013042	.026940	18	.009380	.018669	19	.011928	.024606
19	.021748	.048688	19	.016291	.034961	20	.020006	.044612
20	.033633	.082321	20	.026241	.061202	21	.031178	.075790
21	.048328	.130650	21	.039272	.100474	22	.045221	.121012
22	.064631	.195281	22	.054700	.155174	23	.061129	.182141
23	.080554	.275835	23	.071009	.226183	24	.077106	.259248
24	.093685	.369520	24	.086013	.312196	25	.090845	.350093
25	.101772	.471292	25	.097318	.409514	26	.100057	.450150
26	.103351	.574643	26	.102933	.512447	27	.103089	.553239
27	.098180	.672823	27	.101843	.614290	28	.099407	.652646
28	.087292	.760115	28	.094309	.708599	29	.089747	.742393
29	.072664	.832779	29	.081765	.790364	30	.075877	.818270
30	.056644	.889423	30	.066386	.856750	31	.060079	.878348
31	.041353	.930776	31	.050478	.907227	32	.044547	.922895
32	.028271	.959048	32	.035943	.943170	33	.030925	.953820
33	.018096	.977144	33	.023962	.967132	34	.020093	.973913
34	.010841	.987985	34	.014951	.982083	35	.012212	.986126
35	.006075	.994060	35	.008726	.990809	36	.006939	.993065
36	.003183	.997242	36	.004761	.995571	37	.003683	.996747
37	.001557	.998800	37	.002427	.997997	38	.001824	.998571
38	.000711	.999511	38	.001154	.999151	39	.000842	.999412
39	.000303	.999814	39	.000512	.999663	40	.000362	.999774
40	.000120	.999933	40	.000211	.999874	41	.000144	.999918
41	.000044	.999978	41	.000081	.999955	42	.000053	.999972
42	.000015	.999993	42	.000029	.999983	43	.000018	.999990
43	.000005	.999997	43	.000009	.999993	44	.000006	.999996
44	.000001	.999999	44	.000003	.999996	45	.000002	.999997
45	.000000	.999999	45	.000001	.999997	46	.000000	.999998
46			46	.000000	.999997			

n=

60

50-100 BINOMIAL TABLES

p=.46

x	Individual Term	Cumulative (x or less)
9	.000000	.000000
10	.000001	.000001
11	.000003	.000003
12	.000009	.000013
13	.000031	.000044
14	.000092	.000136
15	.000231	.000387
16	.000626	.001013
17	.001437	.002450
18	.003044	.005495
19	.005968	.011463
20	.010849	.022312
21	.018326	.040638
22	.028809	.069446
23	.042209	.11655
24	.057705	.169360
25	.073688	.243048
26	.087966	.331014
27	.098232	.429246
28	.102667	.531912
29	.100462	.632374
30	.092059	.724433
31	.079004	.803436
32	.063492	.866928
33	.047773	.914701
34	.033643	.948344
35	.022162	.970506
36	.013648	.984154
37	.007851	.992005
38	.004214	.996219
39	.002108	.998327
40	.000981	.999308
41	.000425	.999733
42	.000170	.999903
43	.000063	.999966
44	.000022	.999988
45	.000007	.999995
46	.000002	.999997
47	.000001	.999997
48	.000000	.999997

p=.47

x	Individual Term	Cumulative (x or less)
10	.000001	.000001
11	.000003	.000003
12	.000009	.000013
13	.000031	.000044
14	.000092	.000136
15	.000231	.000387
16	.000626	.001013
17	.001437	.002450
18	.003044	.005495
19	.005968	.011463
20	.010849	.022312
21	.018326	.040638
22	.028809	.069446
23	.042209	.11655
24	.057705	.169360
25	.073688	.243048
26	.087966	.331014
27	.098232	.429246
28	.102667	.531912
29	.100462	.632374
30	.092059	.724433
31	.079004	.803436
32	.063492	.866928
33	.047773	.914701
34	.033643	.948344
35	.022162	.970506
36	.013648	.984154
37	.007851	.992005
38	.004214	.996219
39	.002108	.998327
40	.000981	.999308
41	.000425	.999733
42	.000170	.999903
43	.000063	.999966
44	.000022	.999988
45	.000007	.999995
46	.000002	.999997
47	.000001	.999997
48	.000000	.999997

p=.48

x	Individual Term	Cumulative (x or less)
10	.000000	.000000
11	.000001	.000002
12	.000005	.000007
13	.000017	.000023
14	.000052	.000075
15	.000146	.000221
16	.000379	.000600
17	.000906	.001306
18	.001998	.003505
19	.004077	.007582
20	.007715	.015297
21	.013566	.028863
22	.022198	.051061
23	.033854	.084916
24	.048177	.133093
25	.064039	.197132
26	.079575	.276708
27	.092498	.369205
28	.100629	.469834
29	.102498	.572332
30	.097767	.570099
31	.087335	.575743
32	.073059	.630493
33	.057221	.687714
34	.041945	.692659
35	.028762	.6958421
36	.018437	.6976858
37	.011039	.6987898
38	.006168	.6994066
39	.003212	.6997277
40	.001556	.699834
41	.000701	.699934
42	.000293	.6999827
43	.000113	.6999940
44	.000040	.6999980
45	.000013	.6999994
46	.000004	.6999998
47	.000001	.6999999
48	.000000	.6999999

50-100 BINOMIAL TABLES

n=
60

p=.49

x	Individual Term	Cumulative (x or less)
11	.000001	.000001
12	.000002	.000003
13	.000009	.000012
14	.000028	.000040
15	.000083	.000123
16	.000224	.000348
17	.000558	.000906
18	.001281	.002187
19	.002721	.004908
20	.005360	.010268
21	.009808	.020076
22	.016706	.036782
23	.026519	.063301
24	.039279	.102580
25	.054244	.156925
26	.070287	.227212
27	.085038	.312250
28	.096293	.405544
29	.102088	.510632
30	.101354	.611986
31	.094238	.706224
32	.082054	.785278
33	.066891	.855169
34	.051037	.906206
35	.036426	.942632
36	.024304	.966936
37	.015146	.982082
38	.008808	.990890
39	.004774	.995664
40	.002408	.998072
41	.001129	.999201
42	.000491	.999691
43	.000197	.999888
44	.000073	.999962
45	.000025	.999987
46	.000008	.999994
47	.000002	.999997
48	.000001	.999997
49	.000000	.999997

p=.50

x	Individual Term	Cumulative (x or less)
11	.000000	.000000
12	.000001	.000002
13	.000004	.000006
14	.000015	.000021
15	.000046	.000067
16	.000130	.000197
17	.000336	.000533
18	.000802	.001335
19	.001774	.003109
20	.003636	.006745
21	.006925	.013670
22	.012277	.025947
23	.020284	.046231
24	.031271	.077501
25	.045030	.122531
26	.060617	.183147
27	.076332	.259480
28	.089963	.349443
29	.099269	.448712
30	.102578	.551290
31	.099269	.650559
32	.089963	.740522
33	.076332	.816854
34	.060617	.877471
35	.045030	.922501
36	.031271	.953771
37	.020284	.974055
38	.012277	.986332
39	.006925	.993257
40	.003636	.996893
41	.001774	.998666
42	.000802	.999469
43	.000336	.999805
44	.000130	.999934
45	.000046	.999981
46	.000015	.999996
47	.000004	1.000001
48	.000001	1.000002
49	.000000	1.000002

n=

65

50-100 BINOMIAL TABLES

p=.01

x	Individual Term	Cumulative (x or less)
0	.520340	.520340
1	.341638	.861978
2	.110428	.972406
3	.023424	.995831
4	.003667	.999498
5	.000452	.999950
6	.000046	.999996
7	.000004	1.000000
8	.000000	1.000000

p=.02

x	Individual Term	Cumulative (x or less)
0	.268965	.268965
1	.356790	.625754
2	.233006	.858760
3	.099859	.938619
4	.031588	.990207
5	.007865	.998072
6	.001605	.999677
7	.000276	.999953
8	.000041	.999994
9	.000005	1.000000
10	.000001	1.000001
11	.000000	1.000001

p=.03

x	Individual Term	Cumulative (x or less)
0	.138090	.138090
1	.277604	.415694
2	.274742	.690436
3	.178441	.868877
4	.085541	.954418
5	.032276	.986694
6	.009982	.996577
7	.002602	.999279
8	.000583	.999863
9	.000114	.999977
10	.000020	.999997
11	.00003	1.000000
12	.000000	1.000001

p=.04

x	Individual Term	Cumulative (x or less)
0	.070409	.070409
1	.190692	.261101
2	.254256	.515557
3	.222474	.737831
4	.143681	.881512
5	.073038	.954550
6	.030432	.984982
7	.010688	.995670
8	.003229	.998898
9	.000852	.999750
10	.000199	.999949
11	.000041	.999990
12	.000008	.999998
13	.000001	.999999
14	.000000	1.000000

p=.05

x	Individual Term	Cumulative (x or less)
0	.035648	.035648
1	.121954	.157601
2	.205395	.362997
3	.227016	.590013
4	.185197	.775210
5	.118916	.894126
6	.062587	.956713
7	.027764	.984478
8	.010594	.995072
9	.003531	.998604
10	.001041	.999644
11	.000274	.999918
12	.000065	.999983
13	.000014	.999997
14	.000003	1.000000
15	.000000	1.000001

p=.06

x	Individual Term	Cumulative (x or less)
0	.017919	.017919
1	.074344	.092263
2	.151852	.244115
3	.203547	.447662
4	.201381	.649043
5	.156820	.805863
6	.100098	.905961
7	.053852	.959813
8	.024921	.984734
9	.010074	.994808
10	.003601	.998410
11	.001149	.999559
12	.000330	.999889
13	.000086	.999975
14	.000020	.999995
15	.000004	1.000000
16	.000001	1.000001
17	.000000	1.000001

50-100 BINOMIAL TABLES

n=65

p=.07

x	Individual Term	Cumulative (x or less)
0	.008941	.008941
1	.043744	.052685
2	.105362	.158048
3	.166540	.324588
4	.194297	.518885
5	.178419	.697304
6	.134294	.831598
7	.085197	.916795
8	.046492	.963287
9	.022163	.985450
10	.009342	.994792
11	.003516	.998307
12	.001191	.999498
13	.000365	.999864
14	.000102	.999966
15	.000026	.999992
16	.000006	.999998
17	.000001	.999999
18	.000000	1.000000

p=.08

x	Individual Term	Cumulative (x or less)
0	.004428	.004428
1	.025028	.029456
2	.069643	.090999
3	.127174	.226273
4	.171408	.397681
5	.181842	.579523
6	.158123	.737646
7	.115892	.853338
8	.073062	.926600
9	.040237	.966837
10	.019594	.986430
11	.008519	.994949
12	.003334	.998283
13	.001182	.999465
14	.000382	.999846
15	.000113	.999959
16	.000031	.999990
17	.000008	.999998
18	.000002	.999999
19	.000000	1.000000

p=.09

x	Individual Term	Cumulative (x or less)
0	.002176	.002176
1	.013990	.016166
2	.044275	.060440
3	.091955	.152396
4	.140964	.293360
5	.170087	.463447
6	.168217	.631664
7	.140225	.771889
8	.100546	.872435
9	.062979	.933415
10	.034681	.970296
11	.017249	.987544
12	.007677	.995221
13	.003095	.998316
14	.001137	.999453
15	.000382	.999836
16	.000118	.999954
17	.000034	.999988
18	.000009	.999997
19	.000002	.999999
20	.000000	1.000000

p=.10

x	Individual Term	Cumulative (x or less)
0	.001061	.001061
1	.007664	.008725
2	.027248	.035973
3	.063580	.095553
4	.109498	.209051
5	.148431	.357482
6	.164923	.522405
7	.154452	.676857
8	.124420	.801277
9	.087555	.888831
10	.054478	.943310
11	.030266	.973575
12	.015133	.988708
13	.006855	.995563
14	.002829	.998392
15	.001069	.999461
16	.000371	.999832
17	.000119	.999951
18	.000035	.999986
19	.000010	.999996
20	.000002	.999999
21	.000001	.999999
22	.000000	.999999

p=.11

x	Individual Term	Cumulative (x or less)
0	.000513	.000513
1	.004124	.004637
2	.016309	.020945
3	.042329	.063275
4	.081092	.144366
5	.122275	.266641
6	.151126	.417768
7	.157433	.575201
8	.141071	.716272
9	.110426	.826698
10	.076430	.903128
11	.047232	.950360
12	.026269	.976629
13	.013237	.989866
14	.006077	.995942
15	.002554	.998496
16	.000986	.999482
17	.000351	.999834
18	.000116	.999950
19	.000035	.999985
20	.000010	.999995
21	.000003	.999998
22	.000001	.999998
23	.000000	.999999

p=.12

x	Individual Term	Cumulative (x or less)
0	.000246	.000246
1	.002183	.002429
2	.009924	.011953
3	.027274	.039227
4	.057648	.096875
5	.095905	.192780
6	.130779	.323559
7	.150311	.473870
8	.148603	.622473
9	.128339	.750812
10	.098004	.848817
11	.066821	.915638
12	.041004	.956642
13	.022796	.979438
14	.011546	.990984
15	.005353	.996337
16	.002281	.998618
17	.000897	.999515
18	.000326	.999841
19	.000110	.999991
20	.000034	.999985
21	.000010	.999995
22	.000003	.999998
23	.000001	.999999
24	.000000	1.000000

n=

65

50-100 BINOMIAL TABLES

p=.13

p=.14

p=.15

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
0	.000117	.000117	0	.000055	.000055	0	.000026	.000026
1	.001138	.001255	1	.000585	.000640	1	.000296	.000322
2	.005441	.006696	2	.003046	.003686	2	.001674	.001996
3	.017073	.023769	3	.010413	.014099	3	.006202	.008198
4	.039542	.063311	4	.026274	.040373	4	.016964	.025162
5	.072085	.135396	5	.052182	.092555	5	.036523	.061685
6	.107714	.243110	6	.084948	.177503	6	.064452	.126137
7	.135659	.378768	7	.116556	.294059	7	.095866	.222003
8	.146964	.525732	8	.137563	.431622	8	.122652	.344655
9	.139080	.664812	9	.141829	.573451	9	.137082	.481737
10	.116380	.781192	10	.129295	.702746	10	.135469	.617206
11	.086950	.868143	11	.105240	.807986	11	.119531	.736737
12	.058467	.926609	12	.077094	.885080	12	.094922	.831659
13	.035618	.962227	13	.051166	.936247	13	.068292	.899951
14	.019768	.981995	14	.030938	.967185	14	.044763	.944714
15	.010043	.992038	15	.017124	.984309	15	.026858	.971572
16	.004690	.996728	16	.008711	.993020	16	.014811	.986383
17	.002020	.998748	17	.004087	.997107	17	.007534	.993917
18	.000805	.999553	18	.001774	.998882	18	.003545	.997463
19	.000297	.999850	19	.000715	.999596	19	.001548	.999010
20	.000102	.999952	20	.000268	.999864	20	.000628	.999638
21	.000033	.999985	21	.000093	.999957	21	.000238	.999876
22	.000010	.999995	22	.000030	.999987	22	.000084	.999960
23	.000003	.999997	23	.000009	.999997	23	.000028	.999987
24	.000001	.999998	24	.000003	.999999	24	.000009	.999996
25	.000000	.999998	25	.000001	1.000000	25	.000002	.999998
			26	.000000	1.000001	26	.000001	.999999
						27	.000000	.999999

50-100 BINOMIAL TABLES

$n =$
65

$p = .16$

$p = .17$

$p = .18$

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
0	.000012	.000012	0	.000005	.000005	0	.000002	.000002
1	.000148	.000160	1	.000073	.000079	1	.000036	.000035
2	.000903	.001064	2	.000480	.000558	2	.000251	.000289
3	.003614	.004677	3	.002063	.002621	3	.001155	.001444
4	.010669	.015347	4	.006549	.009170	4	.003930	.005373
5	.024793	.040140	5	.016365	.025535	5	.010524	.015897
6	.047225	.087365	6	.033518	.059052	6	.023101	.038998
7	.075817	.163182	7	.057863	.116915	7	.042740	.081738
8	.104700	.267581	8	.085923	.202838	8	.068020	.149758
9	.126304	.394185	9	.111458	.314296	9	.094564	.244322
10	.134724	.528910	10	.127841	.442137	10	.116245	.360567
11	.128309	.657219	11	.130922	.573059	11	.127586	.488152
12	.109979	.767198	12	.120669	.693727	12	.126030	.614182
13	.085405	.892603	13	.100762	.794490	13	.112788	.726970
14	.060423	.913025	14	.076656	.871145	14	.091960	.818930
15	.039131	.952156	15	.053382	.924527	15	.068633	.887563
16	.023292	.975448	16	.034168	.958693	16	.047081	.934644
17	.012788	.988236	17	.020171	.978866	17	.029789	.964432
18	.006495	.994731	18	.011017	.989583	18	.017437	.981870
19	.003060	.997792	19	.005582	.995465	19	.009468	.991338
20	.001341	.999133	20	.002630	.998095	20	.004780	.996119
21	.000547	.999680	21	.001154	.999249	21	.002249	.998367
22	.000208	.999889	22	.000473	.999722	22	.000987	.999354
23	.000074	.999963	23	.000181	.999903	23	.000405	.999759
24	.000025	.999987	24	.000065	.999967	24	.000156	.999915
25	.000008	.999995	25	.000022	.999989	25	.000056	.999971
26	.000002	.999997	26	.000007	.999996	26	.000019	.999990
27	.000001	.999998	27	.000002	.999998	27	.000006	.999996
28	.000000	.999998	28	.000001	.999999	28	.000002	.999998
			29	.000000	.999999	29	.000001	.999998
						30	.000000	.999998

n=

65

50-100 BINOMIAL TABLES

p=.19

x	Individual Term	Cumulative (x or less)
0	.000001	.000001
1	.000017	.000018
2	.000129	.000147
3	.000635	.000782
4	.002308	.003090
5	.006605	.009694
6	.015492	.025186
7	.030629	.055816
8	.052088	.107904
9	.077382	.185286
10	.101648	.286934
11	.119216	.406150
12	.125840	.531990
13	.120342	.652332
14	.104848	.757180
15	.083620	.840800
16	.061295	.902096
17	.041442	.943538
18	.025923	.969461
19	.015042	.984502
20	.008115	.992617
21	.004079	.996696
22	.001914	.998610
23	.000839	.999449
24	.000344	.999793
25	.000133	.999926
26	.000048	.999974
27	.000016	.999990
28	.000005	.999995
29	.000002	.999997
30	.000000	.999997

p=.20

x	Individual Term	Cumulative (x or less)
0	.000001	.000001
1	.000008	.000009
2	.000065	.000074
3	.000343	.000417
4	.001328	.001745
5	.004051	.005795
6	.010127	.015922
7	.021338	.037260
8	.038675	.075936
9	.061236	.137172
10	.085731	.222902
11	.107163	.330066
12	.120359	.450624
13	.122877	.573501
14	.114100	.687601
15	.096985	.784586
16	.075770	.860356
17	.054599	.914955
18	.036399	.951354
19	.022510	.973864
20	.012943	.986807
21	.006934	.993741
22	.003467	.997208
23	.001620	.998828
24	.000709	.999537
25	.000291	.999828
26	.000112	.999940
27	.000040	.999980
28	.000014	.999994
29	.000004	.999998
30	.000001	.999999
31	.000000	1.000000

p=.21

x	Individual Term	Cumulative (x or less)
1	.000004	.000004
2	.000033	.000037
3	.000182	.000219
4	.000749	.000968
5	.002431	.003398
6	.006461	.009859
7	.014476	.024335
8	.027897	.052232
9	.046967	.099199
10	.069915	.169114
11	.092925	.262039
12	.111157	.373195
13	.120465	.493660
14	.118940	.612601
15	.107498	.720098
16	.089298	.809396
17	.068420	.877816
18	.048500	.926316
19	.031892	.958208
20	.019498	.977706
21	.011107	.988813
22	.005905	.994718
23	.002935	.997652
24	.001363	.999017
25	.000595	.999612
26	.000243	.999856
27	.000093	.999949
28	.000034	.999983
29	.000011	.999994
30	.000004	.999998
31	.000001	.999999
32	.000000	.999999

50-100 BINOMIAL TABLES

n=
65

p=.22

p=.23

p=.24

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
1	.000002	.000002	1	.000001	.000001	1	.000000	.000000
2	.000016	.000018	2	.000008	.000009	2	.000004	.000004
3	.000095	.000113	3	.000049	.000057	3	.000025	.000029
4	.000415	.000528	4	.000226	.000283	4	.000121	.000149
5	.001428	.001956	5	.000822	.001105	5	.000464	.000614
6	.004028	.005984	6	.002456	.003562	6	.001466	.002080
7	.009576	.015560	7	.006184	.009746	7	.003903	.005983
8	.019581	.035141	8	.013392	.023138	8	.008936	.014919
9	.034978	.070119	9	.025336	.048474	9	.017871	.032790
10	.055248	.125367	10	.042379	.090853	10	.031604	.064394
11	.077914	.203281	11	.063294	.154147	11	.049902	.114296
12	.098891	.302172	12	.085077	.239224	12	.070913	.185209
13	.113714	.415886	13	.103605	.342829	13	.091296	.276505
14	.119129	.535016	14	.114946	.457775	14	.107085	.383590
15	.114242	.649257	15	.116737	.574512	15	.114975	.498565
16	.100694	.749951	16	.108967	.683479	16	.113462	.612027
17	.081861	.831813	17	.093817	.777296	17	.103275	.715302
18	.061571	.893384	18	.074729	.852024	18	.086969	.802271
19	.042958	.936342	19	.055216	.907241	19	.067937	.870208
20	.027868	.964210	20	.037934	.945175	20	.049343	.919551
21	.016843	.981053	21	.024281	.969456	21	.033390	.952941
22	.009501	.990554	22	.014505	.983961	22	.021089	.974030
23	.005010	.995565	23	.008100	.992062	23	.012450	.986480
24	.002473	.998038	24	.004234	.996296	24	.006881	.993361
25	.001144	.999182	25	.002074	.998370	25	.003563	.996924
26	.000496	.999678	26	.000953	.999323	26	.001731	.998656
27	.000202	.999880	27	.000411	.999735	27	.000790	.999445
28	.000077	.999958	28	.000167	.999901	28	.000338	.999784
29	.000028	.999985	29	.000064	.999965	29	.000136	.999920
30	.000009	.999995	30	.000023	.999988	30	.000052	.999972
31	.000003	.999998	31	.000008	.999995	31	.000018	.999990
32	.000001	.999999	32	.000002	.999998	32	.000006	.999996
33	.000000	.999999	33	.000001	.999999	33	.000002	.999998
			34	.000000	.999999	34	.000001	.999999
						35	.000000	.999999

n=

65

50-100 BINOMIAL TABLES

p=.25

x	Individual Term	Cumulative (x or less)
2	.000002	.000002
3	.000012	.000014
4	.000063	.000077
5	.000257	.000335
6	.000837	.001192
7	.002409	.003601
8	.005822	.009423
9	.012291	.021714
10	.022943	.044658
11	.038239	.082897
12	.057358	.140255
13	.077948	.218203
14	.096508	.314711
15	.109375	.424086
16	.113933	.538018
17	.109465	.647483
18	.097302	.744785
19	.080231	.825016
20	.061511	.886527
21	.043936	.930463
22	.029291	.959754
23	.018254	.978008
24	.010648	.988656
25	.005821	.994477
26	.002985	.997462
27	.001437	.998899
28	.000650	.999549
29	.000277	.999826
30	.000111	.999936
31	.000042	.999978
32	.000015	.999993
33	.000005	.999998
34	.000002	.999999
35	.000000	1.000000

p=.26

x	Individual Term	Cumulative (x or less)
2	.000001	.000001
3	.000006	.000007
4	.000033	.000040
5	.000140	.000179
6	.000491	.000671
7	.001455	.002126
8	.003707	.005834
9	.008250	.014083
10	.016232	.030315
11	.028515	.058830
12	.043085	.103915
13	.064581	.168496
14	.084279	.252775
15	.100680	.353455
16	.110543	.463998
17	.111949	.575948
18	.104890	.650837
19	.091163	.772000
20	.073669	.845669
21	.055465	.901135
22	.038976	.940110
23	.025602	.965712
24	.015742	.981454
25	.009071	.990525
26	.004903	.995428
27	.002488	.997917
28	.001187	.999103
29	.000532	.999635
30	.000224	.999859
31	.000089	.999948
32	.000033	.999981
33	.000012	.999993
34	.000004	.999997
35	.000001	.999998
36	.000000	.999999

p=.27

x	Individual Term	Cumulative (x or less)
3	.000003	.000003
4	.000017	.000020
5	.000075	.000095
6	.000276	.000371
7	.000861	.001232
8	.002309	.003540
9	.005408	.008949
10	.011202	.020150
11	.020715	.040866
12	.034478	.075344
13	.051990	.127334
14	.071423	.198756
15	.089816	.288573
16	.103812	.392384
17	.110671	.503055
18	.109155	.612211
19	.099869	.712079
20	.084957	.797036
21	.067334	.864369
22	.049808	.914178
23	.034442	.948620
24	.022293	.970912
25	.013522	.984435
26	.007694	.992129
27	.004111	.996240
28	.002063	.998303
29	.000974	.999277
30	.000432	.999709
31	.000180	.999889
32	.000071	.999960
33	.000026	.999987
34	.000009	.999996
35	.000003	.999999
36	.000001	1.000000

50-100 BINOMIAL TABLES

n=65

p=.28

p=.29

p=.30

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
3	.000001	.000002	3	.000001	.000001	3	.000000	.000000
4	.000008	.000010	4	.000004	.000005	4	.000002	.000002
5	.000039	.000049	5	.000020	.000025	5	.000010	.000012
6	.000152	.000201	6	.000082	.000107	6	.000044	.000056
7	.000499	.000700	7	.000283	.000391	7	.000158	.000214
8	.001407	.002107	8	.000839	.001230	8	.000490	.000705
9	.003465	.005572	9	.002171	.003402	9	.001331	.002036
10	.007547	.013119	10	.004967	.008368	10	.003195	.005231
11	.011674	.027793	11	.010143	.018512	11	.006847	.012078
12	.025680	.053473	12	.018644	.037156	12	.013204	.025282
13	.040714	.094187	13	.031046	.068202	13	.023071	.048354
14	.058809	.152996	14	.047100	.115303	14	.036726	.085080
15	.077759	.230755	15	.065410	.180712	15	.053515	.138395
16	.094499	.325254	16	.083490	.264202	16	.071672	.210267
17	.105925	.431180	17	.098292	.362495	17	.088536	.298802
18	.109848	.51028	18	.107060	.469555	18	.101184	.399986
19	.105673	.646701	19	.108171	.577726	19	.107270	.507256
20	.094519	.741220	20	.101620	.679346	20	.105738	.612994
21	.078765	.819985	21	.088943	.768289	21	.097106	.710100
22	.061262	.881247	22	.072658	.840947	22	.083234	.793334
23	.044541	.925788	23	.055483	.896430	23	.066690	.860024
24	.030312	.956100	24	.039659	.936089	24	.050018	.910042
25	.019333	.975433	25	.026566	.962654	25	.035155	.945198
26	.011567	.986999	26	.016694	.979348	26	.023179	.968377
27	.006497	.993496	27	.009849	.989197	27	.014349	.982726
28	.003429	.996926	28	.005460	.994656	28	.008346	.991072
29	.001701	.998627	29	.002845	.997502	29	.004564	.995635
30	.000794	.999421	30	.001395	.998896	30	.002347	.997982
31	.000349	.999770	31	.000643	.999539	31	.001136	.999118
32	.000144	.999914	32	.000279	.999818	32	.000517	.999635
33	.000056	.999970	33	.000114	.999932	33	.000222	.999857
34	.000021	.999990	34	.000044	.999976	34	.000089	.999946
35	.000007	.999997	35	.000016	.999992	35	.000034	.999980
36	.000002	.999999	36	.000005	.999997	36	.000012	.999992
37	.000001	1.000000	37	.000002	.999999	37	.000004	.999996
			38	.000001	1.000000	38	.000001	.999998
			39	.000000	1.000000	39	.000000	.999998

n=

65

50-100 BINOMIAL TABLES

p=.31

p=.32

p=.33

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
4	.000001	.000001	4	.000000	.000000	5	.000001	.000001
5	.000005	.000006	5	.000002	.000003	6	.000006	.000007
6	.000023	.000029	6	.000012	.000015	7	.000024	.000031
7	.000086	.000115	7	.000046	.000061	8	.000087	.000118
8	.000281	.000396	8	.000157	.000218	9	.000270	.000388
9	.000799	.001195	9	.000469	.000688	10	.000745	.001133
10	.002010	.003205	10	.001237	.001925	11	.001835	.002968
11	.004515	.007720	11	.002911	.004835	12	.004066	.007034
12	.009129	.016849	12	.006164	.010999	13	.008165	.015199
13	.016721	.033570	13	.011825	.022824	14	.014938	.030137
14	.027903	.061472	14	.020670	.043494	15	.025015	.055152
15	.042622	.104094	15	.033071	.076565	16	.038503	.093655
16	.059841	.163935	16	.046634	.125199	17	.054661	.148317
17	.077492	.241427	17	.065967	.191167	18	.071794	.220111
18	.092841	.334268	18	.082783	.273949	19	.087472	.307583
19	.103180	.437448	19	.096366	.370315	20	.099092	.406675
20	.106619	.544067	20	.104302	.474618	21	.104585	.511260
21	.102646	.646713	21	.105179	.579796	22	.103024	.614284
22	.092232	.738945	22	.098992	.678788	23	.094868	.709152
23	.077471	.816416	23	.087092	.765880	24	.081770	.790922
24	.060910	.877326	24	.071723	.837603	25	.066051	.856973
25	.044879	.922205	25	.055353	.892956	26	.050050	.907023
26	.031020	.953225	26	.040075	.933031	27	.035608	.942631
27	.020131	.973356	27	.027240	.960271	28	.023802	.966433
28	.012274	.985630	28	.017397	.977669	29	.014957	.981390
29	.007036	.992666	29	.010445	.988114	30	.008840	.990231
30	.003793	.996459	30	.005899	.994013	31	.004916	.995147
31	.001924	.998383	31	.003134	.997147	32	.002573	.997720
32	.000918	.999302	32	.001567	.998714	33	.001267	.998987
33	.000413	.999714	33	.000737	.999451	34	.000587	.999574
34	.000174	.999889	34	.000327	.999778	35	.000256	.999830
35	.000069	.999958	35	.000136	.999914	36	.000105	.999936
36	.000026	.999984	36	.000053	.999967	37	.000041	.999976
37	.000009	.999993	37	.000020	.999987	38	.000015	.999991
38	.000003	.999996	38	.000007	.999994	39	.000005	.999996
39	.000001	.999997	39	.000002	.999996	40	.000002	.999997
40	.000000	.999997	40	.000001	.999997	41	.000000	.999998
41	.000000	.999998	41	.000000	.999997			

50-100 BINOMIAL TABLES

n=

65

p=.34

p=.35

p=.36

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
5	.000001	.000001	6	.000001	.000002	6	.000001	.000001
6	.000003	.000004	7	.000006	.000008	7	.000003	.000004
7	.000012	.000016	8	.000025	.000033	8	.000013	.000017
8	.000047	.000063	9	.000084	.000117	9	.000045	.000062
9	.000152	.000215	10	.000253	.000370	10	.000143	.000205
10	.000439	.000654	11	.000682	.001052	11	.000403	.000608
11	.001131	.001785	12	.001653	.002705	12	.001019	.001627
12	.002622	.004407	13	.003629	.006334	13	.002337	.003964
13	.005507	.009914	14	.007258	.013592	14	.004883	.008847
14	.010537	.020451	15	.013288	.026880	15	.009339	.018186
15	.018456	.038907	16	.022359	.049239	16	.016416	.034602
16	.029711	.068618	17	.034702	.083940	17	.026615	.061217
17	.044117	.112735	18	.049828	.133768	18	.039923	.101141
18	.060605	.173340	19	.066370	.200139	19	.055551	.156692
19	.077230	.250569	20	.082197	.282336	20	.071869	.228561
20	.091506	.342075	21	.094843	.377178	21	.086628	.315189
21	.101013	.443087	22	.102138	.479317	22	.097456	.412645
22	.104074	.547161	23	.102822	.582138	23	.102488	.515133
23	.100234	.647395	24	.096889	.679028	24	.100887	.616020
24	.090363	.737758	25	.085561	.764589	25	.093068	.709087
25	.076343	.814100	26	.070879	.835467	26	.080540	.789627
26	.060505	.874605	27	.055128	.890595	27	.065438	.855065
27	.045022	.919627	28	.040286	.930881	28	.049955	.905020
28	.031476	.951103	29	.027676	.958558	29	.035851	.940872
29	.020688	.971792	30	.017883	.976441	30	.024200	.965072
30	.012789	.984581	31	.010872	.987313	31	.015369	.980440
31	.007436	.992019	32	.006220	.993533	32	.009185	.989626
32	.004071	.996091	33	.003349	.996882	33	.005167	.994792
33	.002097	.998188	34	.001697	.998580	34	.002735	.997528
34	.001017	.999205	35	.000810	.999389	35	.001363	.998890
35	.000464	.999669	36	.000363	.999752	36	.000639	.999529
36	.000199	.999868	37	.000153	.999906	37	.000282	.999811
37	.000080	.999949	38	.000061	.999966	38	.000117	.999927
38	.000031	.999979	39	.000023	.999989	39	.000045	.999973
39	.000011	.999990	40	.000008	.999997	40	.000017	.999990
40	.000004	.999994	41	.000003	1.000000	41	.000006	.999995
41	.000001	.999995	42	.000001	1.000001	42	.000002	.999997
42	.000000	.999995	43	.000000	1.000001	43	.000001	.999998
						44	.000000	.999998

n=

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50-100 BINOMIAL TABLES

p=.37

x	Individual Term	Cumulative (x or less)
7	.000002	.000002
8	.000006	.000008
9	.000024	.000032
10	.000079	.000112
11	.000233	.000344
12	.000615	.000959
13	.001471	.002430
14	.003210	.005640
15	.006409	.012049
16	.011763	.023812
17	.019913	.043725
18	.031186	.074911
19	.045307	.120218
20	.061200	.181418
21	.077021	.258438
22	.090469	.348907
23	.099334	.448241
24	.102094	.550335
25	.098334	.648669
26	.088849	.737518
27	.075373	.812891
28	.060076	.872967
29	.045016	.917982
30	.031725	.949708
31	.021037	.970744
32	.013127	.983871
33	.007710	.991581
34	.004261	.995842
35	.002217	.998059
36	.001085	.999144
37	.000449	.999643
38	.000216	.999859
39	.000088	.999947
40	.000034	.999981
41	.000012	.999993
42	.000004	.999997
43	.000001	.999998
44	.000000	.999999

p=.38

x	Individual Term	Cumulative (x or less)
7	.000001	.000001
8	.000003	.000004
9	.000012	.000017
10	.000043	.000059
11	.000131	.000191
12	.000362	.000553
13	.000906	.001459
14	.002062	.003321
15	.004296	.007817
16	.008229	.016046
17	.014537	.030583
18	.023759	.054342
19	.036022	.090365
20	.050780	.141144
21	.066692	.207837
22	.081752	.289589
23	.093676	.383265
24	.100476	.483741
25	.109994	.584735
26	.095230	.679965
27	.084308	.764273
28	.070127	.834400
29	.054838	.889238
30	.040332	.929570
31	.027909	.957479
32	.018175	.975654
33	.011139	.986794
34	.006426	.993220
35	.003488	.996708
36	.001782	.998490
37	.000856	.999346
38	.000387	.999732
39	.000164	.999896
40	.000065	.999961
41	.000024	.999986
42	.000009	.999994
43	.000003	.999997
44	.000001	.999998
45	.000000	.999998

p=.39

x	Individual Term	Cumulative (x or less)
8	.000002	.000002
9	.000006	.000008
10	.000023	.000031
11	.000073	.000104
12	.000209	.000313
13	.000545	.000858
14	.001294	.002152
15	.002813	.004965
16	.005621	.010586
17	.010358	.020944
18	.017660	.038604
19	.027930	.065534
20	.041070	.107604
21	.056267	.163872
22	.071948	.235820
23	.086000	.321820
24	.096221	.418040
25	.100890	.518930
26	.099236	.618167
27	.091644	.709811
28	.079518	.789329
29	.064864	.854193
30	.049765	.903957
31	.035922	.939879
32	.024402	.964281
33	.015601	.979882
34	.009388	.989270
35	.005316	.994586
36	.002832	.997419
37	.001419	.998838
38	.000669	.999507
39	.000296	.999803
40	.000123	.999926
41	.000048	.999973
42	.000018	.999991
43	.000006	.999997
44	.000002	.999999
45	.000001	.999999
46	.000000	1.000000

50-100 BINOMIAL TABLES

n= 65

p=.40

p=.41

p=.42

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
8	.000001	.000001	9	.000002	.000002	9	.000001	.000001
9	.000003	.000004	10	.000006	.000008	10	.000003	.000004
10	.000012	.000016	11	.000021	.000029	11	.000011	.000015
11	.000039	.000055	12	.000065	.000094	12	.000035	.000050
12	.000118	.000173	13	.000184	.000278	13	.000104	.000154
13	.000321	.000494	14	.000476	.000754	14	.000279	.000433
14	.000794	.001288	15	.001125	.001879	15	.000687	.001119
15	.001800	.003088	16	.002443	.004322	16	.001554	.002674
16	.003750	.006357	17	.004893	.009215	17	.003244	.005918
17	.007205	.014042	18	.009067	.018282	18	.006265	.012183
18	.012809	.026851	19	.015587	.033869	19	.011223	.023406
19	.021123	.047974	20	.024912	.058781	20	.018691	.042097
20	.032389	.080363	21	.037097	.095878	21	.029004	.071101
21	.046270	.126634	22	.051558	.147436	22	.042005	.113106
22	.061693	.188327	23	.066984	.214420	23	.056868	.169974
23	.076893	.265220	24	.081459	.295879	24	.072065	.242039
24	.089709	.354929	25	.092836	.388715	25	.085584	.327623
25	.098082	.453011	26	.099251	.487966	26	.095345	.422968
26	.100597	.553608	27	.099625	.587590	27	.099729	.522697
27	.096871	.650478	28	.093956	.681546	28	.098009	.620706
28	.087645	.738123	29	.083303	.764849	29	.090551	.711257
29	.074549	.812672	30	.069466	.834315	30	.078686	.789943
30	.059639	.872311	31	.054502	.888817	31	.064331	.854274
31	.044889	.917200	32	.040241	.929058	32	.049496	.903771
32	.031797	.948997	33	.027964	.957023	33	.035842	.939613
33	.021198	.970195	34	.018290	.975312	34	.024428	.964041
34	.013301	.983495	35	.011257	.986570	35	.015668	.979708
35	.007854	.991349	36	.006519	.993089	36	.009455	.989163
36	.004363	.995712	37	.003551	.996639	37	.005366	.994529
37	.002280	.997992	38	.001818	.998457	38	.002863	.997392
38	.001120	.999112	39	.000875	.999332	39	.001435	.998828
39	.000517	.999629	40	.000395	.999727	40	.000676	.999503
40	.000224	.999853	41	.000167	.999895	41	.000298	.999802
41	.000091	.999944	42	.000066	.999961	42	.000123	.999925
42	.000035	.999979	43	.000025	.999986	43	.000048	.999973
43	.000012	.999991	44	.000009	.999994	44	.000017	.999990
44	.000004	.999995	45	.000003	.999997	45	.000006	.999996
45	.000001	.999997	46	.000001	.999998	46	.000002	.999998
46	.000000	.999997	47	.000000	.999998	47	.000001	.999998
						48	.000000	.999998

n=

65

50-100 BINOMIAL TABLES

p=.43

x	Individual Term	Cumulative (x or less)
10	.000001	.000002
11	.000005	.000007
12	.000019	.000026
13	.000057	.000083
14	.000160	.000243
15	.000410	.000652
16	.000966	.001618
17	.002100	.003719
18	.004225	.007944
19	.007885	.015829
20	.013681	.029511
21	.022117	.051627
22	.033369	.084996
23	.047063	.132059
24	.062131	.194189
25	.076868	.271057
26	.089212	.360269
27	.097212	.457481
28	.099526	.557007
29	.095793	.652800
30	.086718	.739518
31	.073860	.813378
32	.059201	.872580
33	.044661	.917240
34	.031710	.948950
35	.021187	.970137
36	.013320	.983457
37	.007876	.991333
38	.004378	.995710
39	.002286	.997997
40	.001121	.999118
41	.000516	.999633
42	.000222	.999856
43	.000090	.999945
44	.000034	.999979
45	.000012	.999991
46	.000004	.999995
47	.000001	.999996
48	.000000	.999996
49	.000000	.999997

p=.44

x	Individual Term	Cumulative (x or less)
10	.000001	.000001
11	.000003	.000004
12	.000010	.000013
13	.000031	.000044
14	.000089	.000133
15	.000239	.000372
16	.000586	.000958
17	.001328	.002286
18	.002782	.005067
19	.005406	.010474
20	.009770	.020244
21	.016450	.036694
22	.025850	.062544
23	.037972	.100516
24	.052212	.152728
25	.067279	.220007
26	.081326	.301333
27	.092298	.393631
28	.098420	.492051
29	.098662	.590713
30	.093025	.683738
31	.082522	.766260
32	.068891	.835150
33	.054129	.889279
34	.040028	.929307
35	.027856	.957163
36	.018239	.975402
37	.011232	.986634
38	.006503	.993137
39	.003537	.996675
40	.001807	.998481
41	.000865	.999347
42	.000389	.999735
43	.000163	.999898
44	.000064	.999963
45	.000024	.999986
46	.000008	.999994
47	.000003	.999997
48	.000001	.999998
49	.000000	.999998

p=.45

x	Individual Term	Cumulative (x or less)
11	.000001	.000002
12	.000005	.000007
13	.000016	.000023
14	.000049	.000071
15	.000136	.000207
16	.000347	.000555
17	.000819	.001374
18	.001787	.003161
19	.003617	.006778
20	.006807	.013586
21	.011935	.025520
22	.019529	.045050
23	.029873	.074922
24	.042773	.117695
25	.057393	.175088
26	.072243	.247331
27	.085378	.352709
28	.094803	.427512
29	.098964	.526476
30	.097164	.623640
31	.085756	.713396
32	.078026	.791422
33	.063840	.855262
34	.049160	.904422
35	.035625	.940047
36	.024290	.964337
37	.015577	.979913
38	.009391	.989304
39	.005319	.994623
40	.002829	.997452
41	.001411	.998663
42	.000660	.999523
43	.000289	.999812
44	.000118	.999930
45	.000045	.999975
46	.000016	.999991
47	.000005	.999996
48	.000002	.999998
49	.000000	.999998

50-100 BINOMIAL TABLES

n=

65

p=.46

p=.47

p=.48

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
11	.000001	.000001	12	.000001	.000002	12	.000001	.000001
12	.000002	.000003	13	.000004	.000006	13	.000002	.000003
13	.000008	.000011	14	.000014	.000019	14	.000007	.000010
14	.000026	.000037	15	.000041	.000060	15	.000022	.000031
15	.000075	.000113	16	.000113	.000174	16	.000062	.000094
16	.000201	.000314	17	.000290	.000463	17	.00166	.000260
17	.000493	.000807	18	.000686	.001149	18	.000409	.000669
18	.001121	.001928	19	.001504	.002653	19	.000934	.001603
19	.002361	.004289	20	.003067	.005720	20	.001983	.003586
20	.004627	.005916	21	.005829	.011549	21	.003923	.007509
21	.008446	.017361	22	.010338	.021887	22	.007242	.014751
22	.014389	.031750	23	.017139	.039026	23	.012498	.027249
23	.022915	.054665	24	.026598	.065625	24	.020189	.047439
24	.034161	.088826	25	.038683	.104308	25	.030563	.078002
25	.047724	.136550	26	.052775	.157083	26	.043404	.121406
26	.062544	.199094	27	.067601	.224683	27	.057872	.179277
27	.076957	.276051	28	.081358	.306041	28	.072498	.251776
28	.088969	.369021	29	.092050	.398091	29	.085383	.337159
29	.096696	.461716	30	.097955	.496046	30	.094578	.431737
30	.098845	.560561	31	.098074	.594120	31	.098567	.530304
31	.099066	.655627	32	.092407	.686528	32	.096672	.626976
32	.086043	.741670	33	.081946	.768474	33	.089236	.716212
33	.075296	.814966	34	.068395	.836868	34	.077526	.793738
34	.058765	.873730	35	.053720	.890588	35	.063384	.857121
35	.044338	.918068	36	.039699	.930287	36	.048757	.905878
36	.031474	.949542	37	.027593	.957880	37	.035275	.941153
37	.021014	.970557	38	.018030	.975910	38	.023993	.965146
38	.013190	.983747	39	.011069	.986979	39	.015333	.980479
39	.007779	.991526	40	.006380	.993359	40	.005200	.989679
40	.004307	.995833	41	.003450	.996810	41	.005178	.994857
41	.002237	.998070	42	.001748	.998558	42	.002731	.997588
42	.001089	.999159	43	.000829	.999387	43	.001349	.998936
43	.000496	.999656	44	.000368	.999755	44	.000622	.999559
44	.000211	.999867	45	.000152	.999907	45	.000268	.999827
45	.000084	.999951	46	.000059	.999966	46	.000108	.999935
46	.000031	.999982	47	.000021	.999987	47	.000040	.999975
47	.000011	.999993	48	.000007	.999994	48	.000014	.999989
48	.000003	.999996	49	.000002	.999996	49	.000004	.999993
49	.000001	.999997	50	.000001	.999997	50	.000001	.999994
50	.000000	.999997	51	.000000	.999997	51	.000000	.999995

n=

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50-100 BINOMIAL TABLES

p=.49

x	Individual Term	Cumulative (x or less)
13	.000001	.000001
14	.000003	.000005
15	.000011	.000016
16	.000034	.000049
17	.000093	.000142
18	.000238	.000380
19	.000566	.000946
20	.001250	.002196
21	.002574	.004770
22	.004946	.009716
23	.008884	.018600
24	.014938	.033338
25	.023337	.057075
26	.034791	.091865
27	.048282	.140147
28	.062956	.203104
29	.077174	.280277
30	.088977	.369254
31	.096518	.465771
32	.098529	.564300
33	.094665	.658965
34	.085602	.744567
35	.072846	.817413
36	.058324	.875737
37	.043921	.919658
38	.031094	.950751
39	.020682	.971434
40	.012916	.984350
41	.007567	.991917
42	.004154	.996071
43	.002135	.998206
44	.001026	.999232
45	.000460	.999692
46	.000192	.999884
47	.000075	.999958
48	.000027	.999985
49	.000009	.999994
50	.000003	.999997
51	.000001	.999998
52	.000000	.999998

p=.50

x	Individual Term	Cumulative (x or less)
13	.000000	.000001
14	.000002	.000002
15	.000006	.000008
16	.000018	.000025
17	.000051	.000076
18	.000135	.000211
19	.000334	.000545
20	.000768	.001313
21	.001646	.002959
22	.003292	.006251
23	.006155	.012406
24	.010771	.023177
25	.017664	.040841
26	.027175	.068016
27	.039253	.107270
28	.053272	.160542
29	.067968	.228511
30	.081562	.310073
31	.092086	.402159
32	.097841	.500000
33	.097841	.597842
34	.092086	.689928
35	.081562	.771490
36	.067968	.839458
37	.053272	.892731
38	.039253	.931984
39	.027175	.959159
40	.017664	.976823
41	.010771	.987594
42	.006155	.993749
43	.003292	.997041
44	.001646	.998887
45	.000768	.999455
46	.000334	.999789
47	.000135	.999924
48	.000051	.999975
49	.000018	.999992
50	.000006	.999998
51	.000002	1.000000
52	.000000	1.000000

50-100 BINOMIAL TABLES

n-
70

p=.01

x	Individual Term	Cumulative (x or less)
0	.494839	.494839
1	.349886	.844725
2	.121930	.966654
3	.027917	.994571
4	.004723	.999294
5	.000630	.999924
6	.000069	.999993
7	.000006	.999999
8	.000001	1.000000
9	.000000	1.000000

p=.02

x	Individual Term	Cumulative (x or less)
0	.243123	.243123
1	.347318	.590440
2	.244540	.834981
3	.113121	.948101
4	.038669	.986770
5	.010417	.997187
6	.002303	.999490
7	.000430	.999920
8	.000069	.999989
9	.000010	.999998
10	.000001	1.000000
11	.000000	1.000000

p=.03

x	Individual Term	Cumulative (x or less)
0	.118583	.118583
1	.256725	.375308
2	.273928	.649326
3	.192032	.841269
4	.099481	.940749
5	.040613	.981362
6	.013607	.994969
7	.003848	.998817
8	.000937	.999754
9	.000200	.999954
10	.000038	.999992
11	.000006	.999998
12	.000001	.999999
13	.000000	.999999

p=.04

x	Individual Term	Cumulative (x or less)
0	.057410	.057410
1	.167445	.224855
2	.240703	.465558
3	.227330	.692888
4	.158658	.851546
5	.087262	.938808
6	.039389	.978197
7	.015005	.993202
8	.004924	.998126
9	.001413	.999539
10	.000359	.999898
11	.000082	.999980
12	.000017	.999996
13	.000003	1.000000
14	.000001	1.000001
15	.000000	1.000001

p=.05

x	Individual Term	Cumulative (x or less)
0	.027584	.027584
1	.101624	.129208
2	.184528	.313736
3	.220139	.533874
4	.194070	.727944
5	.134827	.862771
6	.076875	.939646
7	.036993	.976639
8	.015332	.991971
9	.005559	.997530
10	.001785	.999315
11	.000512	.999827
12	.000133	.999960
13	.000031	.999991
14	.000007	.999998
15	.000001	.999999
16	.000000	.999999

p=.06

x	Individual Term	Cumulative (x or less)
0	.013151	.013151
1	.058759	.071909
2	.129394	.201303
3	.187208	.388511
4	.200153	.588665
5	.168640	.757305
6	.116613	.873917
7	.068054	.941971
8	.034208	.976179
9	.015042	.991221
10	.005857	.997077
11	.002039	.999116
12	.000640	.999756
13	.000182	.999938
14	.000047	.999986
15	.000011	.999997
16	.000002	1.000000
17	.000001	1.000001
18	.000000	1.000001

n=
70

50-100 BINOMIAL TABLES

p=.07			p=.08			p=.09		
x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
0	.006220	.006220	0	.002918	.002918	0	.001358	.001358
1	.032773	.038993	1	.017764	.020683	1	.009401	.010759
2	.085105	.124098	2	.053293	.073976	2	.032079	.042838
3	.145197	.269295	3	.105041	.179017	3	.071913	.114751
4	.183057	.452352	4	.152995	.332011	4	.119130	.233881
5	.181876	.634228	5	.175611	.507622	5	.155524	.389405
6	.148304	.782532	6	.165431	.673053	6	.166632	.556037
7	.102059	.884591	7	.131523	.804576	7	.150675	.706713
8	.060494	.945085	8	.090064	.894640	8	.117353	.824066
9	.031367	.976453	9	.053952	.948592	9	.079955	.904020
10	.014402	.990855	10	.028618	.977210	10	.048236	.952257
11	.005913	.996768	11	.013574	.990783	11	.026022	.978279
12	.002188	.998956	12	.005803	.996586	12	.012653	.990932
13	.000735	.999691	13	.002251	.998838	13	.005583	.996515
14	.000225	.999916	14	.000797	.999635	14	.002248	.998763
15	.000063	.999979	15	.000259	.999894	15	.000830	.999594
16	.000016	.999995	16	.000077	.999971	16	.000282	.999876
17	.000004	.999999	17	.000021	.999992	17	.000089	.999964
18	.000001	1.000001	18	.000005	.999998	18	.000026	.999990
19	.000000	1.000001	19	.000001	.999999	19	.000007	.999997
			20	.000000	1.000000	20	.000002	.999999
						21	.000000	.999999
						22	.000000	1.000000

50-100 BINOMIAL TABLES

n=70

p=.10

x	Individual Term	Cumulative (x or less)
0	.000627	.000627
1	.004873	.005500
2	.018681	.024181
3	.047049	.071231
4	.087564	.158795
5	.128427	.287222
6	.154588	.441810
7	.157042	.598851
8	.137412	.736263
9	.105179	.841442
10	.071288	.912730
11	.043205	.955935
12	.023603	.979538
13	.011700	.991238
14	.005293	.996531
15	.002196	.998727
16	.000839	.999566
17	.000296	.999862
18	.000097	.999958
19	.000029	.999988
20	.000008	.999996
21	.000002	.999998
22	.000001	.999999
23	.000000	.999999

p=.11

x	Individual Term	Cumulative (x or less)
0	.000287	.000287
1	.002480	.002766
2	.010574	.013340
3	.029622	.042962
4	.061324	.104286
5	.100048	.204334
6	.133959	.338293
7	.151376	.489668
8	.147336	.637004
9	.125447	.762452
10	.094579	.857031
11	.063761	.920792
12	.038746	.959538
13	.021366	.980903
14	.010751	.991655
15	.004961	.996616
16	.002108	.998723
17	.000827	.999551
18	.000301	.999852
19	.000102	.999954
20	.000032	.999986
21	.000009	.999995
22	.000003	.999998
23	.000001	.999999
24	.000000	.999999

p=.12

x	Individual Term	Cumulative (x or less)
0	.000130	.000130
1	.001240	.001370
2	.005836	.007206
3	.018038	.025244
4	.041200	.065443
5	.074161	.140605
6	.109555	.250161
7	.136589	.386749
8	.146677	.533427
9	.137788	.671214
10	.114615	.785829
11	.085250	.871079
12	.057157	.928236
13	.034774	.963009
14	.019306	.982316
15	.009829	.992144
16	.004607	.996751
17	.001996	.998747
18	.000801	.999548
19	.000299	.999847
20	.000104	.999951
21	.000034	.999985
22	.000010	.999995
23	.000003	.999998
24	.000001	.999999
25	.000000	.999999

n=

70

50-100 BINOMIAL TABLES

p=.13

p=.14

p=.15

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
0	.000058	.000058	0	.000026	.000026	0	.000011	.000011
1	.000611	.000669	1	.000296	.000322	1	.000142	.000153
2	.003149	.003818	2	.001664	.001986	2	.000862	.001015
3	.010664	.014482	3	.006139	.008125	3	.003449	.004464
4	.026691	.041173	4	.016739	.024864	4	.010194	.014658
5	.052646	.093818	5	.035969	.060833	5	.023745	.038403
6	.085221	.179039	6	.063434	.124267	6	.045396	.083799
7	.116427	.295466	7	.094414	.218681	7	.073243	.157042
8	.137002	.432469	8	.121036	.339718	8	.101787	.258829
9	.141027	.573495	9	.135736	.475454	9	.123741	.382569
10	.128545	.702040	10	.134789	.610242	10	.133203	.515772
11	.104770	.806810	11	.119686	.729928	11	.128217	.643989
12	.076972	.883782	12	.095795	.825723	12	.111247	.755236
13	.051315	.935097	13	.069576	.895299	13	.087588	.842824
14	.031218	.966315	14	.046114	.941413	14	.062931	.905755
15	.017415	.983731	15	.028026	.969439	15	.041460	.947216
16	.008945	.992676	16	.015683	.985122	16	.025151	.972366
17	.004246	.996922	17	.008110	.993232	17	.014098	.986465
18	.001868	.998790	18	.003887	.997119	18	.007326	.993790
19	.000764	.999554	19	.001732	.998851	19	.003538	.997328
20	.000291	.999845	20	.000719	.999570	20	.001592	.998920
21	.000104	.999949	21	.000279	.999848	21	.000669	.999589
22	.000034	.999983	22	.000101	.999949	22	.000263	.999852
23	.000011	.999994	23	.000034	.999984	23	.000097	.999949
24	.000003	.999997	24	.000011	.999994	24	.000033	.999983
25	.000001	.999998	25	.000003	.999998	25	.000011	.999993
26	.000000	.999998	26	.000001	.999999	26	.000003	.999997
			27	.000000	.999999	27	.000001	.999998
						28	.000000	.999998

50-100 BINOMIAL TABLES

n=
70

p=.16

p=.17

p=.18

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
0	.000005	.000005	0	.000002	.000002	0	.000001	.000001
1	.000067	.000072	1	.000031	.000033	1	.000014	.000015
2	.000439	.000510	2	.000219	.000253	2	.000108	.000123
3	.001894	.002404	3	.001018	.001271	3	.000537	.000660
4	.006043	.008447	4	.003494	.004764	4	.001973	.002633
5	.015193	.023640	5	.009445	.014210	5	.005717	.008349
6	.031351	.054991	6	.020958	.035168	6	.013595	.021944
7	.054597	.109589	7	.039246	.074414	7	.027285	.049229
8	.081896	.191485	8	.063302	.137716	8	.047166	.096395
9	.107462	.298946	9	.089318	.227035	9	.071324	.167719
10	.124860	.423806	10	.111594	.338629	10	.095504	.263223
11	.129725	.553531	11	.124673	.463302	11	.114351	.377574
12	.121488	.675019	12	.125549	.588850	12	.123415	.500989
13	.103243	.778261	13	.114727	.703578	13	.120868	.621857
14	.080066	.858327	14	.095.672	.799250	14	.108023	.729881
15	.056936	.915263	15	.073156	.872406	15	.088526	.818407
16	.037279	.952542	16	.051507	.923913	16	.066800	.885207
17	.022556	.975098	17	.033511	.957424	17	.046578	.931785
18	.012650	.987748	18	.020210	.977633	18	.030105	.961890
19	.006595	.994342	19	.011329	.988962	19	.018086	.979976
20	.003203	.997545	20	.005917	.994878	20	.010124	.990100
21	.001453	.998998	21	.002885	.997764	21	.005291	.995391
22	.000616	.999614	22	.001316	.999080	22	.002587	.997978
23	.000245	.999859	23	.000563	.999643	23	.001185	.999163
24	.000091	.999951	24	.000226	.999868	24	.000509	.999673
25	.000032	.999983	25	.000085	.999954	25	.000206	.999879
26	.000011	.999993	26	.000030	.999984	26	.000078	.999957
27	.000003	.999997	27	.000010	.999994	27	.000028	.999985
28	.000001	.999998	28	.000003	.999997	28	.000009	.999994
29	.000000	.999998	29	.000001	.999998	29	.000003	.999997
			30	.000000	.999998	30	.000001	.999998
						31	.000000	.999998

n=
70

50-100 BINOMIAL TABLES

p=.19

x	Individual Term	Cumulative (x or less)
1	.000006	.000007
2	.000052	.000059
3	.000277	.000336
4	.001090	.001426
5	.003374	.004801
6	.008575	.013375
7	.018389	.031765
8	.033969	.065734
9	.054892	.120626
10	.078542	.199168
11	.100492	.299660
12	.115897	.415556
13	.121290	.536846
14	.115835	.652681
15	.101439	.754120
16	.081793	.835912
17	.060944	.896856
18	.042092	.938948
19	.027022	.965971
20	.016163	.982134
21	.009027	.991161
22	.004716	.995877
23	.002309	.998186
24	.001061	.999246
25	.000458	.999704
26	.000186	.999890
27	.000071	.999961
28	.000026	.999986
29	.000009	.999995
30	.000003	.999998
31	.000001	.999999
32	.000000	.999999

p=.20

x	Individual Term	Cumulative (x or less)
1	.000003	.000003
2	.000025	.000028
3	.000141	.000169
4	.000589	.000758
5	.001945	.002703
6	.005267	.007970
7	.012040	.020010
8	.023703	.043713
9	.040822	.084535
10	.062254	.146789
11	.084892	.231681
12	.104346	.336027
13	.116386	.452413
14	.118464	.570877
15	.110567	.681444
16	.095018	.776462
17	.075456	.851917
18	.055544	.907461
19	.038004	.945465
20	.024227	.969692
21	.014421	.984113
22	.008030	.992143
23	.004190	.996332
24	.002051	.998384
25	.000944	.999327
26	.000408	.999735
27	.000166	.999902
28	.000064	.999965
29	.000023	.999989
30	.000008	.999996
31	.000003	.999999
32	.000001	1.000000
33	.000000	1.000000

p=.21

x	Individual Term	Cumulative (x or less)
1	.000001	.000001
2	.000012	.000013
3	.000070	.000083
4	.000312	.000395
5	.001096	.001491
6	.003156	.004647
7	.007670	.012317
8	.016055	.028372
9	.029401	.057773
10	.047674	.105448
11	.069125	.174573
12	.090344	.264917
13	.107146	.372062
14	.115962	.488024
15	.115081	.603105
16	.105157	.708262
17	.088792	.797054
18	.069498	.866552
19	.050561	.917112
20	.034272	.951385
21	.021691	.973076
22	.012843	.985919
23	.007125	.993043
24	.003709	.996752
25	.001814	.998566
26	.000835	.999401
27	.000362	.999762
28	.000148	.999910
29	.000057	.999966
30	.000021	.999987
31	.000007	.999994
32	.000002	.999996
33	.000001	.999997
34	.000000	.999997

50-100 BINOMIAL TABLES

n=70

p=.22

p=.23

p=.24

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
1	.000001	.000001	2	.000002	.000003	2	.000001	.000001
2	.000005	.000006	3	.000017	.000019	3	.000008	.000009
3	.000034	.000040	4	.000083	.000102	4	.000041	.000050
4	.000162	.000203	5	.000326	.000428	5	.000173	.000223
5	.000604	.000807	6	.001055	.001484	6	.000590	.000813
6	.001846	.002653	7	.002882	.004366	7	.001704	.002517
7	.004761	.007413	8	.006780	.011146	8	.004238	.006755
8	.010574	.017987	9	.013952	.025098	9	.009219	.015973
9	.020545	.038533	10	.025421	.050518	10	.017758	.033731
10	.035348	.073881	11	.041417	.091936	11	.030586	.064319
11	.054382	.128263	12	.060826	.152762	12	.047492	.111811
12	.075415	.203678	13	.081061	.233823	13	.066912	.178723
13	.094900	.298578	14	.098582	.332405	14	.086029	.264752
14	.108979	.407558	15	.109934	.442339	15	.101424	.366176
15	.114754	.522312	16	.112878	.555217	16	.110098	.476274
16	.111260	.633572	17	.107101	.662318	17	.110439	.586713
17	.099681	.733253	18	.094196	.756514	18	.102689	.689402
18	.082783	.816036	19	.077005	.833519	19	.088751	.778153
19	.063903	.879939	20	.058654	.892173	20	.071468	.849620
20	.045961	.925900	21	.041714	.933887	21	.053735	.903355
21	.030865	.956765	22	.027752	.961639	22	.037794	.941150
22	.019390	.976155	23	.017300	.978939	23	.024908	.966058
23	.011413	.987568	24	.010120	.989059	24	.015404	.981461
24	.006304	.993872	25	.005562	.994621	25	.008950	.990411
25	.003272	.997144	26	.002875	.997496	26	.004892	.995303
26	.001597	.998741	27	.001400	.998896	27	.002517	.997821
27	.000734	.999475	28	.000642	.999538	28	.001221	.999042
28	.000318	.999793	29	.000278	.999816	29	.000558	.999600
29	.000130	.999923	30	.000113	.999929	30	.000241	.999841
30	.000050	.999973	31	.000044	.999973	31	.000098	.999939
31	.000018	.999991	32	.000016	.999989	32	.000038	.999977
32	.000006	.999998	33	.000005	.999994	33	.000014	.999991
33	.000002	1.000000	34	.000002	.999996	34	.000005	.999996
34	.000001	1.000001	35	.000001	.999997	35	.000002	.999997
35	.000000	1.000001	36	.000000	.999997	36	.000000	.999998

n=

70

50-100 BINOMIAL TABLES

p=.25

x	Individual Term	Cumulative (x or less)
2	.000000	.000001
3	.000004	.000004
4	.000020	.000024
5	.000089	.000114
6	.000323	.000437
7	.000984	.001421
8	.002384	.004005
9	.005934	.009939
10	.012065	.022005
11	.021937	.043942
12	.035953	.079594
13	.053468	.133362
14	.072564	.205926
15	.090301	.296227
16	.103470	.399697
17	.109557	.509254
18	.107528	.616781
19	.098096	.714877
20	.083381	.798258
21	.066176	.864434
22	.049130	.913564
23	.034178	.947742
24	.022310	.970052
25	.013684	.983736
26	.007894	.991630
27	.004288	.995918
28	.002195	.998114
29	.001060	.999173
30	.000483	.999656
31	.000208	.999864
32	.000084	.999948
33	.000032	.999981
34	.000012	.999992
35	.000004	.999996
36	.000001	.999998
37	.000000	.999998

p=.26

x	Individual Term	Cumulative (x or less)
2	.000000	.000000
3	.000002	.000002
4	.000010	.000012
5	.000045	.000057
6	.000173	.000230
7	.000536	.000786
8	.001539	.002325
9	.003724	.006049
10	.007982	.014031
11	.015297	.029328
12	.026425	.055753
13	.041423	.097176
14	.059256	.156432
15	.077726	.234158
16	.093876	.328034
17	.104771	.432805
18	.108389	.541193
19	.104226	.645419
20	.093381	.738800
21	.078118	.816918
22	.061131	.878049
23	.044825	.922874
24	.030842	.953716
25	.019399	.973655
26	.012125	.985781
27	.006943	.992723
28	.003746	.996469
29	.001906	.998375
30	.000915	.999291
31	.000415	.999706
32	.000178	.999883
33	.000072	.999955
34	.000027	.999983
35	.000010	.999993
36	.000003	.999996
37	.000001	.999997
38	.000000	.999997

p=.27

x	Individual Term	Cumulative (x or less)
3	.000001	.000001
4	.000005	.000005
5	.000023	.000028
6	.000091	.000119
7	.000307	.000426
8	.000895	.001322
9	.002281	.003602
10	.005146	.008749
11	.010382	.019130
12	.018879	.038010
13	.031154	.069164
14	.046914	.116077
15	.064779	.180857
16	.082361	.265218
17	.096762	.359980
18	.105378	.465358
19	.106670	.572028
20	.100606	.672634
21	.088596	.761230
22	.072984	.834214
23	.056336	.890550
24	.040805	.931354
25	.027770	.959124
26	.017777	.976900
27	.010715	.987615
28	.006086	.993701
29	.003260	.996961
30	.001648	.998609
31	.000786	.999395
32	.000355	.999750
33	.000151	.999901
34	.000061	.999962
35	.000023	.999985
36	.000008	.999993
37	.000003	.999996
38	.000001	.999997
39	.000000	.999997

50-100 BINOMIAL TABLES

n=70

p=.28

x	Individual Term	Cumulative (x or less)
3	.000000	.000000
4	.000002	.000003
5	.000011	.000014
6	.000047	.000060
7	.000166	.000227
8	.000509	.000736
9	.001364	.002100
10	.003236	.005336
11	.006864	.012200
12	.013124	.025324
13	.022771	.048096
14	.036055	.084150
15	.052346	.136496
16	.069976	.206472
17	.086441	.292913
18	.098980	.391894
19	.105348	.497241
20	.104470	.601711
21	.096731	.698442
22	.083785	.782227
23	.067999	.850226
24	.051786	.902013
25	.037056	.939069
26	.024942	.964011
27	.015807	.979817
28	.009440	.989257
29	.005317	.994574
30	.002826	.997400
31	.001418	.998618
32	.000672	.999490
33	.000301	.999791
34	.000127	.999918
35	.000051	.999969
36	.000019	.999989
37	.000007	.999995
38	.000002	.999998
39	.000001	.999998
40	.000000	.999999

p=.29

x	Individual Term	Cumulative (x or less)
4	.000001	.000001
5	.000005	.000006
6	.000024	.000030
7	.000088	.000118
8	.000283	.000401
9	.000797	.001198
10	.001986	.003184
11	.004424	.007609
12	.008885	.016494
13	.016191	.032685
14	.026926	.059610
15	.041058	.100669
16	.057648	.158317
17	.074794	.233112
18	.089952	.323064
19	.100555	.423618
20	.104732	.528351
21	.101852	.630203
22	.092658	.722861
23	.078984	.801845
24	.063178	.865023
25	.047481	.912504
26	.033566	.946070
27	.022342	.968412
28	.014015	.982427
29	.008290	.990717
30	.004628	.995345
31	.002439	.997784
32	.001214	.998998
33	.000571	.999569
34	.000254	.999823
35	.000107	.999929
36	.000042	.999972
37	.000016	.999988
38	.000006	.999993
39	.000002	.999995
40	.000001	.999996
41	.000000	.999996

p=.30

x	Individual Term	Cumulative (x or less)
4	.000000	.000001
5	.000003	.000003
6	.000012	.000015
7	.000046	.000060
8	.000154	.000215
9	.000455	.000670
10	.001190	.001860
11	.002782	.004642
12	.005862	.010504
13	.011208	.021712
14	.019558	.041270
15	.031292	.072562
16	.046100	.118662
17	.062758	.181420
18	.079195	.260614
19	.092890	.353504
20	.101515	.455020
21	.103587	.558607
22	.098879	.657485
23	.088438	.745923
24	.074225	.820148
25	.058531	.878679
26	.043416	.922095
27	.030322	.952418
28	.019957	.972375
29	.012387	.984762
30	.007255	.992017
31	.004012	.996030
32	.002096	.998125
33	.001034	.999159
34	.000482	.999642
35	.000213	.999854
36	.000089	.999943
37	.000035	.999978
38	.000013	.999991
39	.000005	.999995
40	.000002	.999997
41	.000000	.999997

n-
70

50-100 BINOMIAL TABLES

p=.31			p=.32			p=.33		
x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
5	.000001	.000001	5	.000001	.000001	6	.000001	.000002
6	.000006	.000007	6	.000003	.000003	7	.000006	.000007
7	.000023	.000030	7	.00012	.000015	8	.000022	.000029
8	.000082	.000112	8	.00013	.000058	9	.000074	.000103
9	.000254	.000367	9	.000139	.000197	10	.000223	.000326
10	.000697	.001063	10	.000399	.000595	11	.000599	.000925
11	.001707	.002771	11	.001023	.001618	12	.001450	.002375
12	.003771	.006542	12	.002367	.003985	13	.003187	.005562
13	.007559	.014101	13	.004970	.008955	14	.006390	.011952
14	.013827	.027928	14	.009522	.018477	15	.011750	.023702
15	.023193	.051121	15	.016729	.035206	16	.019894	.043596
16	.035818	.086939	16	.027061	.062267	17	.031125	.074722
17	.051117	.138056	17	.040451	.102718	18	.045139	.119861
18	.067620	.205676	18	.056050	.158769	19	.060848	.180709
19	.083146	.288822	19	.072189	.230957	20	.076423	.257132
20	.095256	.384078	20	.086626	.317584	21	.089622	.346754
21	.101896	.485974	21	.097060	.446464	22	.098317	.445070
22	.101963	.587937	22	.101732	.516375	23	.101060	.546130
23	.095602	.683539	23	.099910	.616286	24	.097478	.643608
24	.084114	.767653	24	.092074	.708360	25	.088341	.731949
25	.069534	.837187	25	.079725	.788085	26	.075308	.807257
26	.054069	.891256	26	.064935	.853020	27	.060446	.867703
27	.039587	.930843	27	.049797	.902817	28	.045721	.913424
28	.027313	.958156	28	.035988	.938805	29	.032614	.946038
29	.017772	.975928	29	.024527	.963333	30	.021954	.967992
30	.010912	.986840	30	.015774	.979107	31	.013952	.981944
31	.006326	.993186	31	.009578	.988686	32	.008375	.990320
32	.003464	.996630	32	.005494	.994179	33	.004750	.995070
33	.001792	.998422	33	.002977	.997156	34	.002546	.997616
34	.000876	.999298	34	.001524	.998681	35	.001290	.998906
35	.000405	.999703	35	.000738	.999419	36	.000618	.999524
36	.000177	.999880	36	.000338	.999756	37	.000280	.999803
37	.000073	.999953	37	.000146	.999902	38	.000120	.999923
38	.000028	.999981	38	.000060	.999962	39	.000048	.999971
39	.000011	.999992	39	.000023	.999985	40	.000018	.999990
40	.000004	.999995	40	.000008	.999993	41	.000007	.999996
41	.000001	.999996	41	.000003	.999996	42	.000002	.999998
42	.000000	.999997	42	.000001	.999997	43	.000001	.999999
			43	.000000	.999997	44	.000000	.999999

50-100 BINOMIAL TABLES

n=
70

p=.34

p=.35

p=.36

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
6	.000001	.000001	7	.000001	.000002	7	.000001	.000001
7	.000003	.000003	8	.000005	.000007	8	.000003	.000003
8	.000011	.000014	9	.000020	.000027	9	.000010	.000013
9	.000039	.000053	10	.000065	.000092	10	.000034	.000047
10	.000122	.000175	11	.000191	.000283	11	.000105	.000152
11	.000342	.000517	12	.000507	.000790	12	.000289	.000441
12	.000867	.001385	13	.001217	.002007	13	.000725	.001166
13	.001993	.003378	14	.002668	.004675	14	.001661	.002827
14	.004181	.007559	15	.005364	.010039	15	.003489	.006316
15	.008041	.015601	16	.009928	.019967	16	.006716	.013062
16	.014240	.029840	17	.016982	.036949	17	.012053	.025115
17	.023301	.053142	18	.026924	.063873	18	.019963	.045077
18	.035344	.088486	19	.039677	.103550	19	.030732	.075809
19	.049832	.138318	20	.054479	.158029	20	.044081	.119891
20	.065461	.203778	21	.069845	.227875	21	.059037	.178928
21	.080291	.284069	22	.083766	.311640	22	.073964	.252892
22	.092124	.376193	23	.094131	.405772	23	.086828	.339720
23	.099043	.475236	24	.099260	.505032	24	.095646	.435366
24	.099918	.575153	25	.098344	.603376	25	.098994	.534360
25	.094710	.669864	26	.091652	.695028	26	.096376	.630736
26	.084444	.754308	27	.080424	.775452	27	.088345	.719080
27	.070892	.825199	28	.066504	.841957	28	.076316	.795396
28	.056084	.881283	29	.051863	.893819	29	.062171	.857567
29	.041843	.923127	30	.038166	.931985	30	.047794	.905361
30	.029459	.952586	31	.026517	.958502	31	.034689	.940050
31	.019582	.972158	32	.017402	.975904	32	.023781	.963831
32	.012294	.984463	33	.010790	.986694	33	.015404	.979235
33	.007293	.991756	34	.006323	.993017	34	.009429	.988664
34	.004089	.995844	35	.003502	.996519	35	.005455	.994119
35	.002166	.998011	36	.001833	.998352	36	.002983	.997102
36	.001085	.999096	37	.000907	.999259	37	.001542	.998645
37	.000514	.999609	38	.000424	.999683	38	.000753	.999398
38	.000230	.999839	39	.000187	.999871	39	.000348	.999746
39	.000097	.999936	40	.000078	.999949	40	.000152	.999897
40	.000039	.999975	41	.000031	.999980	41	.000062	.999960
41	.000015	.999989	42	.000011	.999991	42	.000024	.999984
42	.000005	.999995	43	.000004	.999995	43	.000009	.999993
43	.000002	.999996	44	.000001	.999996	44	.000003	.999996
44	.000001	.999997	45	.000000	.999997	45	.000001	.999997
45	.000000	.999997				46	.000000	.999997

n=

70

50-100 BINOMIAL TABLES

p=.37

p=.38

p=.39

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
8	.000001	.000002	8	.000001	.000001	9	.000001	.000001
9	.000005	.000006	9	.000002	.000003	10	.000004	.000006
10	.000017	.000024	10	.000009	.000012	11	.000015	.000020
11	.000056	.000080	11	.000029	.000041	12	.000047	.000067
12	.000161	.000241	12	.000088	.000129	13	.000133	.000200
13	.000422	.000663	13	.000240	.000368	14	.000346	.000547
14	.001009	.001672	14	.000598	.000967	15	.000827	.001373
15	.002213	.003885	15	.001369	.002336	16	.001817	.003190
16	.004468	.008353	16	.002885	.005221	17	.003690	.006880
17	.008335	.016687	17	.005617	.010638	18	.006946	.013826
18	.014413	.031100	18	.010137	.020975	19	.021254	.025979
19	.023167	.054267	19	.017003	.037978	20	.019815	.045794
20	.034695	.088962	20	.026574	.064552	21	.030163	.075957
21	.048515	.137477	21	.038780	.103332	22	.042952	.118909
22	.063462	.209399	22	.052938	.156270	23	.057310	.176219
23	.077783	.278723	23	.067713	.223983	24	.071755	.247974
24	.089461	.368184	24	.081274	.305258	25	.084412	.332386
25	.096675	.464859	25	.091656	.396914	26	.093407	.425792
26	.098268	.563127	26	.097229	.494143	27	.097320	.523112
27	.094051	.657178	27	.097112	.591255	28	.095553	.618666
28	.084827	.742006	28	.091407	.682662	29	.088477	.707143
29	.072152	.814157	29	.081137	.763799	30	.077309	.784452
30	.057912	.872070	30	.067963	.831762	31	.063777	.848229
31	.043887	.915956	31	.053748	.885511	32	.049695	.897924
32	.031413	.947369	32	.040149	.925659	33	.036586	.934510
33	.021244	.968613	33	.028336	.953995	34	.025455	.959965
34	.013578	.982191	34	.018899	.972895	35	.016740	.976705
35	.008202	.990393	35	.011914	.984809	36	.010405	.987110
36	.004683	.995076	36	.007100	.991909	37	.006113	.993223
37	.002527	.997604	37	.003999	.995907	38	.003394	.996617
38	.001289	.998893	38	.002128	.998035	39	.001780	.998397
39	.000621	.999514	39	.001070	.999106	40	.000882	.999280
40	.000283	.999797	40	.000508	.999614	41	.000413	.999692
41	.000122	.999918	41	.000228	.999842	42	.000182	.999875
42	.000049	.999967	42	.000096	.999939	43	.000076	.999950
43	.000019	.999986	43	.000039	.999977	44	.000030	.999980
44	.000007	.999993	44	.000014	.999992	45	.000011	.999991
45	.000002	.999995	45	.000005	.999997	46	.000004	.999995
46	.000001	.999996	46	.000002	.999998	47	.000001	.999996
47	.000000	.999996	47	.000001	.999999	48	.000000	.999997

50-100 BINOMIAL TABLES

n=
70

p=.40

x	Individual Term	Cumulative (x or less)
9	.000000	.000001
10	.000002	.000003
11	.000007	.000010
12	.000024	.000034
13	.000072	.000106
14	.000196	.000302
15	.000487	.000789
16	.001116	.001905
17	.002363	.004268
18	.004638	.008906
19	.008463	.017369
20	.014387	.031756
21	.022836	.054592
22	.033909	.088501
23	.047177	.135678
24	.061592	.197270
25	.075553	.272823
26	.087177	.360000
27	.094711	.454710
28	.096966	.551676
29	.093622	.645298
30	.085300	.730598
31	.073376	.803974
32	.059618	.863592
33	.045768	.909360
34	.033204	.942564
35	.022768	.965332
36	.014757	.980089
37	.009040	.989130
38	.005234	.994364
39	.002863	.997227
40	.001479	.998706
41	.000722	.999428
42	.000332	.999760
43	.000144	.999904
44	.000059	.999963
45	.000023	.999986
46	.000008	.999994
47	.000003	.999997
48	.000001	.999998
49	.000000	.999998

p=.41

x	Individual Term	Cumulative (x or less)
10	.000001	.000001
11	.000004	.000005
12	.000012	.000017
13	.000038	.000055
14	.000108	.000163
15	.000280	.000443
16	.000668	.001111
17	.001475	.002587
18	.003019	.005605
19	.005741	.011347
20	.010174	.021520
21	.016833	.038354
22	.026054	.064407
23	.037785	.102192
24	.051420	.153612
25	.065748	.219360
26	.079078	.298438
27	.089552	.387990
28	.095569	.483559
29	.096183	.579742
30	.091347	.671089
31	.081908	.752997
32	.069370	.822367
33	.055510	.877877
34	.041979	.919856
35	.030005	.949861
36	.020272	.970132
37	.012945	.983077
38	.007812	.990889
39	.004454	.995344
40	.002399	.997743
41	.001220	.998962
42	.000585	.999548
43	.000265	.999812
44	.000113	.999925
45	.000045	.999971
46	.000017	.999988
47	.000006	.999994
48	.000002	.999996
49	.000001	.999996
50	.000000	.999997

p=.42

x	Individual Term	Cumulative (x or less)
10	.000000	.000001
11	.000002	.000002
12	.000006	.000008
13	.000020	.000028
14	.000058	.000086
15	.000157	.000243
16	.000390	.000633
17	.000898	.001531
18	.001915	.003446
19	.003795	.007242
20	.007008	.014250
21	.012083	.026332
22	.019488	.045820
23	.029451	.075270
24	.041764	.117034
25	.055647	.172681
26	.069743	.242424
27	.082302	.324726
28	.091525	.416251
29	.095987	.512239
30	.094995	.607233
31	.083760	.695993
32	.078335	.774328
33	.065320	.839648
34	.051474	.891122
35	.038339	.929461
36	.026992	.956453
37	.017961	.974414
38	.011295	.985709
39	.006711	.992420
40	.003766	.996186
41	.001996	.998182
42	.000998	.999180
43	.000470	.999650
44	.000209	.999859
45	.000087	.999947
46	.000034	.999981
47	.000013	.999994
48	.000004	.999998
49	.000001	1.000000
50	.000000	1.000001

n=
70

50-100 BINOMIAL TABLES

p=.43

x	Individual Term	Cumulative (x or less)
11	.000001	.000001
12	.000003	.000004
13	.000010	.000014
14	.000030	.000044
15	.000086	.000130
16	.000222	.000353
17	.000533	.000886
18	.001184	.002070
19	.002444	.004514
20	.004702	.009216
21	.008446	.017663
22	.011191	.031854
23	.022343	.054197
24	.033008	.087204
25	.045817	.133021
26	.059822	.192843
27	.073543	.266386
28	.085201	.351586
29	.093087	.444673
30	.095972	.540646
31	.093419	.634065
32	.085891	.719956
33	.074612	.794568
34	.061253	.855820
35	.047528	.903349
36	.034859	.938208
37	.021465	.962372
38	.015831	.978203
39	.009799	.988002
40	.005729	.993731
41	.003162	.996894
42	.001647	.998541
43	.000809	.999350
44	.000375	.999725
45	.000163	.999888
46	.000067	.999955
47	.000026	.999981
48	.000009	.999990
49	.000003	.999993
50	.000001	.999994
51	.000000	.999995

p=.44

x	Individual Term	Cumulative (x or less)
11	.000000	.000000
12	.000001	.000002
13	.000005	.000007
14	.000016	.000022
15	.000046	.000068
16	.000124	.000192
17	.000308	.000500
18	.000713	.001213
19	.001534	.002748
20	.003074	.005821
21	.005750	.011571
22	.01063	.021634
23	.016500	.038134
24	.025389	.063523
25	.036705	.100228
26	.069915	.150143
27	.063912	.214054
28	.077118	.291173
29	.087755	.378928
30	.094232	.473160
31	.095535	.568695
32	.091483	.660178
33	.082771	.742949
34	.070772	.813722
35	.057196	.870917
36	.043691	.914608
37	.031545	.946154
38	.021524	.967678
39	.013876	.981554
40	.008450	.990004
41	.004858	.994862
42	.002635	.997498
43	.001348	.998846
44	.000650	.999496
45	.000295	.999791
46	.000126	.999917
47	.000051	.999968
48	.000019	.999987
49	.000007	.999993
50	.000002	.999996
51	.000001	.999996
52	.000000	.999997

p=.45

x	Individual Term	Cumulative (x or less)
12	.000001	.000001
13	.000002	.000003
14	.000008	.000011
15	.000024	.000035
16	.000067	.000102
17	.000174	.000276
18	.000419	.000694
19	.000938	.001632
20	.001957	.003589
21	.003812	.007402
22	.006947	.014349
23	.011863	.026212
24	.019007	.045218
25	.028614	.073833
26	.040520	.114353
27	.054027	.168379
28	.067884	.236263
29	.080440	.316703
30	.089946	.406649
31	.094958	.501607
32	.094688	.596295
33	.089210	.685505
34	.079430	.764935
35	.066845	.831780
36	.053172	.884953
37	.039977	.922930
38	.028405	.953335
39	.019069	.972404
40	.012091	.984495
41	.007239	.991734
42	.004089	.995824
43	.002179	.998002
44	.001094	.999096
45	.000517	.999613
46	.000230	.999843
47	.000096	.999939
48	.000038	.999977
49	.000014	.999991
50	.000005	.999996
51	.000002	.999997
52	.000000	.999998

50-100 BINOMIAL TABLES

n=

70

p=.46

x	Individual Term	Cumulative (x or less)
12	.000000	.000000
13	.000001	.000001
14	.000004	.000005
15	.000012	.000017
16	.000035	.000053
17	.000096	.000148
18	.000240	.000388
19	.000559	.000946
20	.001214	.002160
21	.002461	.004621
22	.004670	.009291
23	.008302	.017593
24	.013849	.031442
25	.021708	.053150
26	.032005	.085155
27	.044429	.129584
28	.058122	.187706
29	.071706	.259412
30	.083480	.342893
31	.091759	.434651
32	.095263	.529914
33	.093446	.623360
34	.086625	.709985
35	.075900	.785885
36	.062860	.848745
37	.049206	.897951
38	.036401	.931351
39	.025442	.959794
40	.016797	.976591
41	.010470	.987060
42	.006158	.993218
43	.003416	.996634
44	.001786	.998419
45	.000879	.999298
46	.000407	.999705
47	.000177	.999882
48	.000072	.999954
49	.000028	.999982
50	.000010	.999992
51	.000003	.999995
52	.000001	.999996
53	.000000	.999996

p=.47

x	Individual Term	Cumulative (x or less)
13	.000000	.000001
14	.000002	.000002
15	.000006	.000008
16	.000018	.000027
17	.000051	.000078
18	.000134	.000211
19	.000324	.000535
20	.000733	.001268
21	.001547	.002815
22	.003056	.005871
23	.005655	.011526
24	.009821	.021348
25	.016025	.037373
26	.024596	.061969
27	.035545	.097514
28	.048407	.145922
29	.062171	.208092
30	.075348	.283440
31	.086216	.369656
32	.093181	.462837
33	.095152	.557989
34	.091825	.649814
35	.083757	.733571
36	.072211	.805782
37	.058844	.864627
38	.045317	.909494
39	.032974	.942917
40	.022662	.965579
41	.011704	.980283
42	.009004	.989287
43	.005199	.994486
44	.002829	.997315
45	.001450	.998765
46	.000699	.999463
47	.000316	.999780
48	.000134	.999914
49	.000054	.999968
50	.000020	.999987
51	.000007	.999994
52	.000002	.999997
53	.000001	.999997
54	.000000	.999997

p=.48

x	Individual Term	Cumulative (x or less)
13	.000000	.000000
14	.000001	.000001
15	.000003	.000004
16	.000009	.000013
17	.000027	.000040
18	.000072	.000112
19	.000183	.000295
20	.000431	.000726
21	.000947	.001673
22	.001946	.003619
23	.003749	.007368
24	.006778	.014146
25	.011511	.025657
26	.018391	.040408
27	.027665	.071713
28	.039218	.110931
29	.052429	.163359
30	.066141	.229500
31	.078778	.308278
32	.088625	.396904
33	.094203	.491107
34	.094630	.585737
35	.089846	.675583
36	.080631	.756214
37	.068394	.824608
38	.054826	.879434
39	.041525	.920959
40	.029706	.950665
41	.020064	.970729
42	.012788	.983517
43	.007687	.991204
44	.004354	.995558
45	.002322	.997880
46	.001165	.999045
47	.000549	.999594
48	.000243	.999837
49	.000101	.999938
50	.000039	.999977
51	.000014	.999991
52	.000005	.999996
53	.000001	.999997
54	.000000	.999998

n=

50-100 BINOMIAL TABLES

70

p=.49

x	Individual Term	Cumulative (x or less)
15	.000001	.000002
16	.000004	.000006
17	.000014	.000020
18	.000038	.000058
19	.000101	.000159
20	.000246	.000405
21	.000564	.000969
22	.001206	.002175
23	.002419	.004593
24	.004551	.009144
25	.008045	.017189
26	.013377	.030566
27	.020945	.051511
28	.030905	.082416
29	.043003	.125419
30	.056466	.181885
31	.070002	.251887
32	.081970	.333856
33	.090688	.424544
34	.094819	.519363
35	.093704	.613067
36	.087528	.700595
37	.077277	.777872
38	.064477	.842349
39	.050830	.893179
40	.037848	.931027
41	.026608	.957635
42	.017652	.975287
43	.011043	.986330
44	.006511	.992841
45	.003614	.996455
46	.001887	.998342
47	.000926	.999268
48	.000426	.999695
49	.000184	.999879
50	.000074	.999953
51	.000028	.999981
52	.000010	.999991
53	.000003	.999994
54	.000001	.999995
55	.000000	.999995

p=.50

x	Individual Term	Cumulative (x or less)
15	.000001	.000001
16	.000002	.000003
17	.000007	.000010
18	.000020	.000029
19	.000054	.000083
20	.000137	.000220
21	.000326	.000547
22	.000727	.001274
23	.001518	.002791
24	.002971	.005763
25	.005468	.011231
26	.009464	.020696
27	.015423	.036119
28	.023686	.059805
29	.034303	.094108
30	.046881	.140990
31	.060492	.201482
32	.073725	.275206
33	.084895	.360101
34	.092386	.452487
35	.095025	.547513
36	.092386	.639899
37	.084895	.724794
38	.073725	.798518
39	.060492	.859010
40	.046881	.905892
41	.034303	.940195
42	.023686	.963881
43	.015423	.979304
44	.009464	.988768
45	.005468	.994237
46	.002972	.997208
47	.001518	.998726
48	.000727	.999453
49	.000326	.999780
50	.000137	.999917
51	.000054	.999971
52	.000020	.999990
53	.000007	.999997
54	.000002	.999999
55	.000001	1.000000
56	.000000	1.000000

50-100 BINOMIAL TABLES

n=75

p=.01

p=.02

p=.03

x	Individual Term	Cumulative (x or less)
0	.470587	.470587
1	.356505	.827092
2	.133239	.960331
3	.032749	.993080
4	.005954	.999035
5	.000854	.999889
6	.000101	.999989
7	.000010	.999999
8	.000001	1.000001
9	.000000	1.000001

x	Individual Term	Cumulative (x or less)
0	.219764	.219764
1	.336373	.556136
2	.253996	.810132
3	.126134	.936266
4	.046335	.982601
5	.013428	.996029
6	.003197	.999226
7	.000643	.999869
8	.000112	.999981
9	.000017	.999998
10	.000002	1.000000
11	.000000	1.000001

x	Individual Term	Cumulative (x or less)
0	.101831	.101831
1	.236206	.338037
2	.270297	.608334
3	.203420	.811754
4	.113244	.924998
5	.049734	.974732
6	.017945	.992677
7	.005471	.998148
8	.001438	.999586
9	.000331	.999917
10	.000068	.999985
11	.000012	.999997
12	.000002	.999999
13	.000000	1.000000

p=.04

p=.05

p=.06

x	Individual Term	Cumulative (x or less)
0	.046810	.046810
1	.146283	.193093
2	.225519	.418612
3	.228651	.647263
4	.171488	.818752
5	.101464	.920216
6	.049323	.969538
7	.020258	.989796
8	.007175	.996971
9	.002225	.999196
10	.000612	.999808
11	.000151	.999959
12	.000033	.999992
13	.000007	.999999
14	.000001	1.000001

x	Individual Term	Cumulative (x or less)
0	.021344	.021344
1	.084252	.105595
2	.164069	.269664
3	.210123	.479787
4	.199064	.678851
5	.148774	.827626
6	.091353	.918978
7	.047393	.966372
8	.021202	.987574
9	.008307	.995881
10	.002886	.998767
11	.000897	.999665
12	.000252	.999916
13	.000064	.999981
14	.000015	.999996
15	.000003	.999999
16	.000001	1.000000
17	.000000	1.000000

x	Individual Term	Cumulative (x or less)
0	.009651	.009651
1	.046203	.055855
2	.109119	.164973
3	.169482	.334455
4	.194724	.529179
5	.176494	.705674
6	.131432	.837106
7	.082694	.919800
8	.044866	.964666
9	.021319	.985985
10	.008981	.994967
11	.003388	.998354
12	.001153	.999507
13	.000357	.999864
14	.000101	.999965
15	.000026	.999991
16	.000006	.999997
17	.000001	.999999
18	.000000	.999999

n=

50-100 BINOMIAL TABLES

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p=.07

x	Individual Term	Cumulative (x or less)
0	.004327	.004327
1	.024429	.028756
2	.068032	.096788
3	.124604	.221392
4	.168818	.390210
5	.180435	.570645
6	.158447	.729092
7	.117557	.846649
8	.075211	.921861
9	.042144	.964004
10	.020936	.984940
11	.009312	.994252
12	.003738	.997990
13	.001363	.999353
14	.000454	.999808
15	.000139	.999947
16	.000039	.999986
17	.000010	.999996
18	.000002	.999999
19	.000001	1.000000
20	.000000	1.000000

p=.08

x	Individual Term	Cumulative (x or less)
0	.001923	.001923
1	.012544	.014468
2	.040360	.054828
3	.085400	.140228
4	.133670	.273898
5	.165053	.438950
6	.167445	.606395
7	.143524	.749920
8	.106083	.856003
9	.068672	.924675
10	.039412	.964087
11	.020251	.984338
12	.009392	.993729
13	.003958	.997687
14	.001524	.999211
15	.000539	.999750
16	.000176	.999926
17	.000053	.999979
18	.000015	.999994
19	.000004	.999998
20	.000001	.999999
21	.000000	.999999

p=.09

x	Individual Term	Cumulative (x or less)
0	.000847	.000847
1	.006286	.007133
2	.023002	.030136
3	.055357	.085192
4	.098548	.184040
5	.138400	.322440
6	.159692	.482132
7	.155681	.637813
8	.130875	.768687
9	.096358	.865046
10	.062898	.927943
11	.036758	.964701
12	.019389	.984090
13	.009293	.993383
14	.004070	.997454
15	.001637	.999091
16	.000607	.999698
17	.000208	.999906
18	.000066	.999973
19	.000020	.999992
20	.000005	.999998
21	.000001	.999999
22	.000000	.999999
23	.000000	1.000000

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50-100 BINOMIAL TABLES

n=75

p=.10

x	Individual Term	Cumulative (x or less)
0	.000370	.000370
1	.003083	.003453
2	.012676	.016129
3	.034271	.050400
4	.068542	.118941
5	.108144	.227085
6	.140186	.367271
7	.153537	.520808
8	.145007	.665816
9	.119944	.785760
10	.087959	.873719
11	.057751	.931470
12	.034223	.965693
13	.018428	.984121
14	.009068	.993188
15	.004097	.997285
16	.001707	.998993
17	.000658	.999651
18	.000236	.999887
19	.000079	.999965
20	.000024	.999990
21	.000007	.999997
22	.000002	.999999
23	.000000	.999999

p=.11

x	Individual Term	Cumulative (x or less)
0	.000160	.000160
1	.001484	.001644
2	.006785	.008128
3	.020404	.028833
4	.045394	.074226
5	.079669	.153895
6	.114878	.268774
7	.139956	.408730
8	.147033	.555763
9	.135285	.691047
10	.110356	.801403
11	.080597	.882000
12	.053128	.935128
13	.031821	.966919
14	.017418	.984367
15	.008754	.993121
16	.004058	.997178
17	.001740	.998919
18	.000693	.999612
19	.000257	.999869
20	.000089	.999958
21	.000029	.999987
22	.000009	.999995
23	.000002	.999998
24	.000001	.999999
25	.000000	.999999

p=.12

x	Individual Term	Cumulative (x or less)
0	.000069	.000069
1	.000701	.000701
2	.003539	.004309
3	.011743	.016051
4	.028822	.044874
5	.055811	.100685
6	.088790	.189475
7	.119348	.308822
8	.138335	.447157
9	.140431	.587587
10	.126388	.713975
11	.101841	.815816
12	.074066	.889882
13	.048946	.938828
14	.029558	.968386
15	.016391	.984778
16	.008382	.993160
17	.003967	.997127
18	.001743	.998870
19	.000713	.999583
20	.000272	.999855
21	.000097	.999952
22	.000033	.999985
23	.000010	.999995
24	.000003	.999999
25	.000001	.999999
26	.000000	.999999

n-
75

50-100 BINOMIAL TABLES

p=.13

x	Individual Term	Cumulative (x or less)
0	.000029	.000029
1	.000326	.000355
2	.001803	.002159
3	.006557	.008715
4	.017635	.026350
5	.037419	.063769
6	.065232	.129001
7	.096081	.225082
8	.122034	.347115
9	.135749	.482864
10	.133876	.616740
11	.118208	.734948
12	.094204	.829153
13	.068217	.897370
14	.045142	.942511
15	.027431	.969943
16	.015371	.985313
17	.007971	.993285
18	.003838	.997123
19	.001720	.998843
20	.000720	.999563
21	.000282	.999845
22	.000103	.999948
23	.000036	.999984
24	.000012	.999995
25	.000004	.999999
26	.000001	1.000000
27	.000000	1.000000

p=.14

x	Individual Term	Cumulative (x or less)
0	.000012	.000012
1	.000149	.000162
2	.000899	.001061
3	.003562	.004623
4	.010439	.015062
5	.024130	.039192
6	.045828	.085020
7	.073538	.158558
8	.101757	.260315
9	.123317	.383632
10	.132494	.516126
11	.127452	.643578
12	.110656	.754235
13	.087298	.841532
14	.062935	.904468
15	.041664	.946132
16	.025435	.971567
17	.014370	.985937
18	.007538	.993474
19	.003681	.997156
20	.001678	.998834
21	.000715	.999549
22	.000286	.999835
23	.000107	.999942
24	.000038	.999980
25	.000013	.999993
26	.000004	.999996
27	.000001	.999998
28	.000000	.999998

p=.15

x	Individual Term	Cumulative (x or less)
0	.000005	.000005
1	.000067	.000072
2	.000440	.000512
3	.001888	.002400
4	.005996	.008395
5	.015025	.023420
6	.030933	.054353
7	.053808	.108161
8	.080712	.188874
9	.106034	.294908
10	.123498	.418406
11	.128782	.547187
12	.121206	.668393
13	.103656	.772019
14	.081008	.853058
15	.058135	.911193
16	.038472	.949665
17	.023562	.973227
18	.013398	.986626
19	.007093	.993719
20	.003505	.997224
21	.001620	.998844
22	.000702	.999515
23	.000285	.999831
24	.000109	.999940
25	.000039	.999979
26	.000013	.999992
27	.000004	.999997
28	.000001	.999998
29	.000000	.999998

50-100 BINOMIAL TABLES

$n=$
75

p=.16

x	Individual Term	Cumulative (x or less)
0	.000002	.000002
1	.000030	.000032
2	.000211	.000243
3	.000977	.001220
4	.003350	.004570
5	.009061	.013631
6	.020136	.033766
7	.037805	.071572
8	.061209	.132781
9	.086793	.219574
10	.109112	.328686
11	.122810	.451495
12	.124759	.576254
13	.115162	.691416
14	.097144	.788560
15	.075248	.863808
16	.053748	.917556
17	.035531	.953087
18	.021807	.974894
19	.012461	.987356
20	.006646	.994002
21	.003316	.997317
22	.001550	.998868
23	.000680	.999548
24	.000281	.999829
25	.000109	.999938
26	.000040	.999978
27	.000014	.999992
28	.000005	.999996
29	.000001	.999998
30	.000000	.999998

p=.17

x	Individual Term	Cumulative (x or less)
0	.000001	.000001
1	.000013	.000014
2	.000099	.000113
3	.000495	.000608
4	.001824	.002432
5	.005306	.007738
6	.012678	.020416
7	.025596	.046012
8	.044562	.090574
9	.067947	.158521
10	.091851	.250372
11	.111167	.361539
12	.121435	.482974
13	.120535	.603508
14	.109332	.712840
15	.091066	.803905
16	.069945	.873851
17	.049720	.923571
18	.032814	.956384
19	.020163	.976547
20	.011563	.988110
21	.006203	.994313
22	.003118	.997432
23	.001472	.998903
24	.000653	.999557
25	.000273	.999830
26	.000107	.999937
27	.000040	.999977
28	.000014	.999991
29	.000005	.999996
30	.000001	.999997
31	.000000	.999998

p=.18

x	Individual Term	Cumulative (x or less)
0	.000000	.000000
1	.000006	.000006
2	.000046	.000052
3	.000245	.000297
4	.000970	.001267
5	.003022	.004289
6	.007740	.012030
7	.016748	.028778
8	.031250	.060028
9	.051067	.111095
10	.073985	.185080
11	.095967	.281047
12	.112352	.393399
13	.119519	.512918
14	.116187	.629105
15	.103718	.732823
16	.085378	.818201
17	.065044	.883245
18	.046007	.929252
19	.030297	.959549
20	.018622	.978170
21	.010706	.988876
22	.005768	.994644
23	.002918	.997562
24	.001388	.998950
25	.000621	.999571
26	.000262	.999834
27	.000105	.999938
28	.000039	.999977
29	.000014	.999991
30	.000005	.999996
31	.000002	.999998
32	.000000	.999998

n=

50-100 BINOMIAL TABLES

75

p=.19

x	Individual Term	Cumulative (x or less)
1	.000002	.000003
2	.000021	.000023
3	.000119	.000143
4	.000504	.000646
5	.001678	.002324
6	.004592	.006916
7	.010616	.017532
8	.021167	.038700
9	.036963	.075663
10	.057224	.132887
11	.079318	.212205
12	.099229	.311433
13	.112798	.424231
14	.117175	.541406
15	.111774	.653180
16	.098320	.751500
17	.080041	.831541
18	.060497	.892038
19	.042572	.934611
20	.027961	.962572
21	.017178	.979749
22	.009890	.989639
23	.005346	.994985
24	.002717	.997702
25	.001300	.999002
26	.000586	.999589
27	.000250	.999839
28	.000100	.999939
29	.000038	.999977
30	.000014	.999991
31	.000005	.999996
32	.000002	.999997
33	.000000	.999998

p=.20

x	Individual Term	Cumulative (x or less)
1	.000001	.000001
2	.000009	.000010
3	.000057	.000067
4	.000256	.000323
5	.000909	.001232
6	.002651	.003883
7	.006532	.010415
8	.013881	.024296
9	.025834	.050129
10	.042625	.092755
11	.062969	.155724
12	.083959	.239683
13	.101720	.341403
14	.112618	.454021
15	.114495	.568516
16	.107339	.675855
17	.093133	.768988
18	.075023	.844012
19	.056268	.900279
20	.039387	.939666
21	.025789	.965456
22	.015825	.981281
23	.009117	.990398
24	.004938	.995336
25	.002518	.997854
26	.001211	.999065
27	.000549	.999615
28	.000235	.999850
29	.000095	.999945
30	.000037	.999982
31	.000013	.999995
32	.000005	1.000000
33	.000001	1.000002
34	.000000	1.000002
35	.000000	1.000001

p=.21

x	Individual Term	Cumulative (x or less)
2	.000004	.000005
3	.000027	.000031
4	.000127	.000159
5	.000481	.000639
6	.001491	.002131
7	.003908	.006038
8	.008829	.014867
9	.017472	.032339
10	.030653	.062992
11	.048149	.111141
12	.068262	.179402
13	.087936	.267338
14	.103519	.370857
15	.111906	.482763
16	.111552	.594315
17	.102913	.697228
18	.088149	.785377
19	.070296	.855674
20	.052322	.907995
21	.036427	.944422
22	.023767	.968189
23	.014559	.982748
24	.008385	.991133
25	.004547	.995680
26	.002324	.998005
27	.001121	.999126
28	.000511	.999637
29	.000220	.999857
30	.000090	.999947
31	.000035	.999981
32	.000013	.999994
33	.000004	.999998
34	.000001	1.000000
35	.000000	1.000001

50-100 BINOMIAL TABLES

n=
75

p=.22

p=.23

p=.24

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
2	.000002	.000002	2	.000001	.000001	2	.000000	.000000
3	.000012	.000014	3	.000006	.000006	3	.000002	.000003
4	.000062	.000076	4	.000030	.000036	4	.000014	.000017
5	.000249	.000325	5	.000126	.000162	5	.000062	.000079
6	.000819	.001144	6	.000439	.000601	6	.000230	.000309
7	.002276	.003419	7	.001292	.001892	7	.000715	.001024
8	.005456	.008875	8	.003280	.005172	8	.001920	.002944
9	.011456	.020331	9	.007293	.012465	9	.004514	.007459
10	.021325	.041656	10	.014378	.026843	10	.009408	.016867
11	.035542	.077198	11	.025378	.052221	11	.017556	.034423
12	.053465	.130663	12	.040128	.092649	12	.029569	.063992
13	.073079	.203742	13	.058522	.151172	13	.045251	.109242
14	.091282	.295025	14	.077414	.228586	14	.063283	.172525
15	.104702	.399726	15	.094037	.322623	15	.081268	.253794
16	.110742	.510468	16	.105334	.427957	16	.096239	.350032
17	.108403	.618871	17	.109196	.537152	17	.105476	.455508
18	.098520	.717392	18	.105099	.642252	18	.107326	.562834
19	.083363	.800755	19	.094180	.736431	19	.101677	.664511
20	.065836	.866591	20	.078768	.815200	20	.089904	.754415
21	.048633	.915225	21	.061622	.876821	21	.074357	.828772
22	.033669	.948894	22	.045179	.922001	22	.057635	.886407
23	.021883	.970777	23	.031098	.953098	23	.041941	.928348
24	.013373	.984150	24	.020126	.973224	24	.028696	.957044
25	.007695	.991844	25	.012264	.985488	25	.018486	.975530
26	.004174	.996018	26	.007015	.992533	26	.011227	.986757
27	.002136	.998154	27	.003819	.996351	27	.006134	.993191
28	.001033	.999187	28	.001955	.998307	28	.003483	.996674
29	.000472	.999660	29	.000947	.999253	29	.001783	.998456
30	.000204	.999864	30	.000434	.999687	30	.000863	.999320
31	.000084	.999947	31	.000188	.999875	31	.000396	.999715
32	.000032	.999980	32	.000077	.999952	32	.000172	.999887
33	.000012	.999992	33	.000030	.999982	33	.000071	.999958
34	.000004	.999996	34	.000011	.999993	34	.000028	.999985
35	.000001	.999997	35	.000004	.999997	35	.000010	.999996
36	.000000	.999998	36	.000001	.999999	36	.000004	.999999
			37	.000000	.999999	37	.000001	1.000001
						38	.000000	1.000001

50-100 BINOMIAL TABLES

p=.25

p=.26

p=.27

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
3	.000001	.000001	3	.000000	.000001	4	.000001	.000001
4	.000006	.000008	4	.000003	.000003	5	.000007	.000008
5	.000030	.000038	5	.000014	.000018	6	.000029	.000037
6	.000118	.000156	6	.000059	.000077	7	.000105	.000143
7	.000387	.000542	7	.000204	.000281	8	.000332	.000474
8	.001096	.001638	8	.000610	.000891	9	.000913	.001387
9	.002719	.004358	9	.001596	.002487	10	.002229	.003617
10	.005983	.010340	10	.003701	.006188	11	.004872	.008489
11	.011784	.022125	11	.007684	.013872	12	.009610	.018099
12	.020950	.043074	12	.014398	.028270	13	.017226	.035325
13	.033842	.076916	13	.024516	.052787	14	.028215	.063540
14	.049957	.126873	14	.038147	.090934	15	.042439	.105979
15	.067719	.194592	15	.054505	.145439	16	.058862	.164842
16	.084619	.279242	16	.071815	.217254	17	.075558	.240400
17	.097928	.377169	17	.087570	.304824	18	.090049	.330449
18	.105182	.482351	18	.099141	.403965	19	.099917	.430366
19	.105182	.587532	19	.104500	.508466	20	.103476	.533842
20	.098169	.685702	20	.102806	.611271	21	.100236	.634077
21	.085703	.771405	21	.094602	.705873	22	.090999	.725076
22	.070121	.841526	22	.081586	.787459	23	.077558	.802634
23	.053861	.895387	23	.066055	.853514	24	.062152	.864786
24	.038900	.934287	24	.050285	.903799	25	.046895	.911681
25	.026452	.960739	25	.036042	.939841	26	.033355	.945037
26	.016956	.977695	26	.024353	.964194	27	.022389	.967426
27	.010257	.987953	27	.015528	.979722	28	.014196	.981622
28	.005861	.993814	28	.009353	.989075	29	.008510	.990131
29	.003167	.996981	29	.005326	.994401	30	.004826	.994957
30	.001618	.998599	30	.002869	.997270	31	.002591	.997548
31	.000783	.999382	31	.001463	.998733	32	.001318	.998866
32	.000359	.999741	32	.000707	.999440	33	.000635	.999501
33	.000156	.999897	33	.000324	.999764	34	.000290	.999791
34	.000064	.999961	34	.000140	.999904	35	.000126	.999917
35	.000025	.999986	35	.000058	.999962	36	.000052	.999969
36	.000009	.999995	36	.000023	.999985	37	.000020	.999989
37	.000003	.999999	37	.000008	.999993	38	.000007	.999996
38	.000001	1.000000	38	.000003	.999996	39	.000003	.999999
39	.000000	1.000001	39	.000001	.999997	40	.000000	1.000000
			40	.000000	.999997	41	.000000	1.000000

50-100 BINOMIAL TABLES

n= 75

p=.28

p=.29

p=.30

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
4	.000001	.000001	5	.000001	.000002	5	.000001	.000001
5	.000003	.000004	6	.000007	.000008	6	.000003	.000004
6	.000014	.000018	7	.000026	.000034	7	.000013	.000016
7	.000053	.000071	8	.000091	.000126	8	.000046	.000063
8	.000176	.000247	9	.000278	.000404	9	.000148	.000211
9	.000510	.000757	10	.000749	.001152	10	.000418	.000628
10	.001308	.002065	11	.001807	.002959	11	.001058	.001687
11	.003006	.005071	12	.003936	.006895	12	.002119	.004106
12	.006236	.011307	13	.007792	.014687	13	.005024	.009130
13	.011752	.023059	14	.014094	.028781	14	.009536	.018667
14	.020239	.043298	15	.023410	.052191	15	.016620	.035287
15	.032008	.075306	16	.035857	.088049	16	.026711	.061998
16	.046678	.121984	17	.050830	.138879	17	.039730	.101728
17	.063000	.184985	18	.066898	.205777	18	.054865	.156593
18	.078945	.263929	19	.081974	.287751	19	.070541	.227134
19	.092102	.356032	20	.093751	.381502	20	.084649	.311783
20	.100289	.456321	21	.100290	.481792	21	.095014	.406797
21	.102146	.558167	22	.100547	.582339	22	.099950	.506747
22	.097503	.655970	23	.094636	.676975	23	.098708	.605456
23	.087376	.743316	24	.083751	.760725	24	.091658	.697113
24	.073622	.816969	25	.069784	.830509	25	.080135	.777249
25	.058407	.875376	26	.051814	.885324	26	.066015	.843294
26	.043681	.919057	27	.040632	.925956	27	.051369	.894663
27	.030828	.949885	28	.028450	.954406	28	.037740	.932403
28	.020552	.970437	29	.018833	.973239	29	.026214	.958617
29	.012953	.983390	30	.011795	.985035	30	.017226	.975813
30	.007724	.991114	31	.006994	.992028	31	.010717	.986559
31	.004360	.995474	32	.003928	.995956	32	.006315	.992875
32	.002332	.997806	33	.002090	.998046	33	.003527	.996401
33	.001181	.998988	34	.001055	.999101	34	.001867	.998268
34	.000568	.999555	35	.000505	.999606	35	.000937	.999206
35	.000259	.999814	36	.000229	.999835	36	.000446	.999652
36	.000112	.999925	37	.000099	.999933	37	.000202	.999854
37	.000046	.999971	38	.000040	.999973	38	.000086	.999940
38	.000018	.999989	39	.000016	.999989	39	.000035	.999975
39	.000007	.999996	40	.000006	.999995	40	.000014	.999989
40	.000002	.999998	41	.000002	.999997	41	.000005	.999994
41	.000001	.999999	42	.000001	.999997	42	.000002	.999996
42	.000000	.999999	43	.000000	.999998	43	.000001	.999996
						44	.000000	.999996

50-100 BINOMIAL TABLES

n=
75

p=.31			p=.32			p=.33		
x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
6	.000001	.000002	6	.000001	.000001	7	.000001	.000002
7	.000006	.000008	7	.000003	.000004	8	.000005	.000007
8	.000023	.000031	8	.000011	.000015	9	.000019	.000026
9	.000077	.000107	9	.000039	.000054	10	.000063	.000089
10	.000228	.000335	10	.000121	.000175	11	.000183	.000272
11	.000604	.000940	11	.000337	.000511	12	.000481	.000753
12	.001448	.002388	12	.000845	.001357	13	.001148	.001900
13	.003153	.005541	13	.001927	.003284	14	.002503	.004403
14	.006274	.011815	14	.004016	.007300	15	.005013	.009417
15	.011463	.023279	15	.007686	.014987	16	.009260	.018677
16	.019313	.042592	16	.013564	.028551	17	.015829	.034505
17	.030114	.072706	17	.022153	.050704	18	.025121	.059627
18	.043595	.116301	18	.033592	.084296	19	.037120	.096746
19	.058758	.175059	19	.047424	.131720	20	.051192	.147938
20	.073916	.248975	20	.062488	.194208	21	.066036	.213974
21	.086975	.335951	21	.077016	.271224	22	.079835	.293809
22	.095914	.431864	22	.088599	.360183	23	.090611	.384419
23	.099298	.531162	23	.096468	.456651	24	.096696	.481116
24	.096660	.627822	24	.098359	.555010	25	.097158	.578274
25	.088591	.716412	25	.094425	.649435	26	.092027	.670301
26	.076512	.792954	26	.085452	.734887	27	.082260	.752560
27	.062408	.855362	27	.072979	.807866	28	.069456	.822016
28	.048066	.903128	28	.058874	.866739	29	.055443	.877460
29	.034999	.938427	29	.044902	.911641	30	.041872	.919332
30	.024110	.962537	30	.032400	.944041	31	.029937	.949269
31	.015724	.978261	31	.022133	.966173	32	.020275	.969544
32	.009714	.987974	32	.014321	.980494	33	.013012	.982556
33	.005687	.993661	33	.008782	.989276	34	.007917	.990473
34	.003156	.996817	34	.005105	.994381	35	.004568	.995041
35	.001661	.998478	35	.002814	.997195	36	.002500	.997540
36	.000829	.999307	36	.001471	.998666	37	.001298	.998838
37	.000393	.999700	37	.000730	.999396	38	.000639	.999477
38	.000176	.999876	38	.000343	.999740	39	.000299	.999776
39	.000075	.999951	39	.000153	.999893	40	.000132	.999909
40	.000030	.999982	40	.000065	.999958	41	.000056	.999964
41	.000012	.999993	41	.000026	.999984	42	.000022	.999986
42	.000004	.999997	42	.000010	.999994	43	.000008	.999995
43	.000001	.999999	43	.000004	.999997	44	.000003	.999998
44	.000000	.999999	44	.000001	.999999	45	.000001	.999999
45	.000000	1.000000	45	.000000	.999999	46	.000000	.999999

50-100 BINOMIAL TABLES

n=
75

p=.34

p=.35

p=.36

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
7	.000001	.000001	8	.000001	.000001	8	.000000	.000001
8	.000002	.000003	9	.000004	.000006	9	.000002	.000003
9	.000009	.000013	10	.000016	.000022	10	.000008	.000010
10	.000032	.000044	11	.000050	.000072	11	.000025	.000036
11	.000097	.000141	12	.000144	.000216	12	.000076	.000112
12	.000267	.000408	13	.000377	.000593	13	.000208	.000320
13	.000666	.001074	14	.000898	.001491	14	.000518	.000837
14	.001519	.002593	15	.001967	.003458	15	.001184	.002021
15	.003182	.005776	16	.003971	.007429	16	.002497	.004518
16	.006148	.011923	17	.007422	.014851	17	.004875	.009393
17	.010992	.022915	18	.012877	.027728	18	.008835	.018228
18	.018245	.041160	19	.020801	.048529	19	.014910	.033138
19	.028197	.069358	20	.031362	.079891	20	.023483	.056621
20	.04672	.110030	21	.044228	.124119	21	.034596	.091217
21	.054876	.164906	22	.054456	.182575	22	.047765	.138982
22	.069388	.234294	23	.072532	.255107	23	.061913	.200896
23	.082370	.316663	24	.084620	.339727	24	.075457	.276353
24	.091938	.408601	25	.092952	.432679	25	.086587	.362940
25	.096618	.505220	26	.096252	.523932	26	.093664	.456603
26	.095718	.600938	27	.094059	.622990	27	.095615	.552218
27	.089487	.690424	28	.086823	.709814	28	.092200	.644419
28	.079027	.769452	29	.075769	.785583	29	.084053	.728472
29	.065980	.835432	30	.062558	.848140	30	.072496	.800968
30	.052118	.887549	31	.048898	.897038	31	.059195	.860163
31	.038974	.926523	32	.036203	.933241	32	.045784	.905947
32	.027606	.954129	33	.025401	.958642	33	.033557	.939504
33	.018531	.972660	34	.016896	.975538	34	.023317	.962822
34	.011792	.984452	35	.010657	.986195	35	.015365	.978186
35	.007116	.991568	36	.006376	.992572	36	.009603	.987789
36	.004073	.995642	37	.003619	.996191	37	.005694	.993483
37	.002212	.997854	38	.001949	.998139	38	.003203	.996685
38	.001139	.998993	39	.000995	.999135	39	.001709	.998394
39	.000557	.999550	40	.000482	.999617	40	.000865	.999259
40	.000258	.999808	41	.000222	.999839	41	.000415	.999675
41	.000114	.999922	42	.000097	.999936	42	.000189	.999864
42	.000047	.999969	43	.000040	.999975	43	.000082	.999946
43	.000019	.999988	44	.000016	.999991	44	.000033	.999979
44	.000007	.999995	45	.000006	.999997	45	.000013	.999992
45	.000002	.999997	46	.000002	.999999	46	.000005	.999997
46	.000001	.999998	47	.000001	1.000000	47	.000002	.999998
47	.000000	.999998	48	.000000	1.000000	48	.000001	.999999
						49	.000000	.999999

n=

75

50-100 BINOMIAL TABLES

p=.37

x	Individual Term	Cumulative (x or less)
9	.000001	.000001
10	.000004	.000005
11	.000013	.000017
12	.000039	.000057
13	.000112	.000168
14	.000291	.000459
15	.000694	.001153
16	.001529	.002682
17	.003116	.005797
18	.005896	.011693
19	.010388	.022082
20	.017083	.039165
21	.026277	.065442
22	.037880	.103322
23	.051264	.154586
24	.065233	.219820
25	.078156	.297975
26	.088271	.386246
27	.094083	.480330
28	.094723	.575053
29	.090161	.665214
30	.081192	.746406
31	.069219	.815625
32	.055897	.871523
33	.042777	.914299
34	.031034	.945333
35	.021351	.966684
36	.013933	.980617
37	.008625	.989242
38	.005065	.994308
39	.002822	.997130
40	.001492	.998622
41	.000748	.999370
42	.000356	.999725
43	.000160	.999886
44	.000068	.999954
45	.000028	.999982
46	.000011	.999992
47	.000004	.999996
48	.000001	.999997
49	.000000	.999998

p=.38

x	Individual Term	Cumulative (x or less)
9	.000000	.000000
10	.000002	.000002
11	.000006	.000008
12	.000020	.000028
13	.000059	.000087
14	.000159	.000246
15	.000396	.000642
16	.000911	.001553
17	.001938	.003492
18	.003828	.007319
19	.007038	.014358
20	.012079	.026436
21	.019389	.045826
22	.029169	.074994
23	.041196	.116191
24	.054707	.170898
25	.068401	.239299
26	.080622	.319921
27	.089676	.409598
28	.094222	.503820
29	.093593	.597413
30	.087958	.685371
31	.078256	.763627
32	.065949	.829576
33	.052669	.882245
34	.039877	.922122
35	.028630	.950752
36	.019497	.970250
37	.012596	.982816
38	.007720	.990566
39	.004489	.995055
40	.002476	.997531
41	.001296	.998827
42	.000643	.999470
43	.000302	.999772
44	.000135	.999907
45	.000057	.999964
46	.000023	.999986
47	.000009	.999995
48	.000003	.999998
49	.000001	.999999
50	.000000	.999999

p=.39

x	Individual Term	Cumulative (x or less)
10	.000001	.000001
11	.000003	.000004
12	.000010	.000013
13	.000030	.000043
14	.000085	.000128
15	.000221	.000349
16	.000529	.000878
17	.001174	.002052
18	.002418	.004470
19	.004638	.009108
20	.008303	.017411
21	.013903	.031315
22	.021818	.053133
23	.032144	.085277
24	.044528	.129806
25	.058076	.187882
26	.071405	.259287
27	.082851	.342138
28	.090806	.432944
29	.094091	.527035
30	.092240	.619275
31	.085666	.704881
32	.075256	.780138
33	.062695	.842833
34	.049515	.892348
35	.037084	.929432
36	.026344	.955776
37	.017753	.973529
38	.011350	.984880
39	.006885	.991764
40	.003962	.995726
41	.002162	.997888
42	.001119	.999007
43	.000549	.999556
44	.000255	.999811
45	.000112	.999924
46	.000047	.999971
47	.000018	.999989
48	.000007	.999996
49	.000002	.999998
50	.000001	.999999
51	.000000	1.000000

50-100 BINOMIAL TABLES

n=75

p=.40

p=.41

p=.42

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
10	.000000	.000000	11	.000001	.000001	11	.000000	.000000
11	.000001	.000002	12	.000002	.000003	12	.000001	.000001
12	.000005	.000006	13	.000007	.000010	13	.000003	.000005
13	.000015	.000021	14	.000022	.000033	14	.000011	.000016
14	.000044	.000065	15	.000063	.000096	15	.000033	.000048
15	.000120	.000185	16	.000165	.000261	16	.000088	.000137
16	.000299	.000484	17	.000397	.000658	17	.000222	.000359
17	.000692	.001176	18	.000890	.001547	18	.000518	.000877
18	.001487	.002663	19	.001855	.003402	19	.001126	.002002
19	.002973	.005636	20	.003609	.007011	20	.002282	.004284
20	.005550	.011187	21	.006568	.013578	21	.004328	.008613
21	.009691	.020878	22	.011203	.024781	22	.007693	.016305
22	.015858	.036736	23	.017939	.042720	23	.012837	.029142
23	.024362	.061098	24	.027010	.069730	24	.020141	.049283
24	.035190	.096288	25	.038290	.108020	25	.029752	.079035
25	.047858	.144146	26	.051170	.159190	26	.041432	.120467
26	.061356	.205502	27	.064533	.223723	27	.054449	.174917
27	.074233	.279735	28	.076877	.300600	28	.067592	.242509
28	.084838	.364573	29	.086582	.387181	29	.079327	.321836
29	.091664	.456237	30	.092256	.479437	30	.088080	.409916
30	.093701	.549993	31	.093063	.572500	31	.092587	.502502
31	.090679	.640617	32	.088922	.661423	32	.092188	.594690
32	.083122	.723739	33	.080519	.741941	33	.086986	.681676
33	.072207	.795946	34	.069119	.811061	34	.077811	.759486
34	.059465	.855410	35	.056266	.867327	35	.066005	.825491
35	.046439	.901849	36	.043445	.910772	36	.053107	.878599
36	.034399	.936249	37	.031822	.942594	37	.040536	.919135
37	.024172	.960421	38	.022114	.964708	38	.029354	.948488
38	.016115	.976536	39	.014579	.979287	39	.020166	.968654
39	.010192	.986729	40	.009118	.988405	40	.013143	.981797
40	.006115	.992844	41	.005409	.993814	41	.008124	.989922
41	.003480	.996324	42	.003043	.996857	42	.004763	.994684
42	.001878	.998203	43	.001623	.998480	43	.002647	.997331
43	.000961	.999164	44	.000820	.999300	44	.001394	.998725
44	.000466	.999630	45	.000393	.999693	45	.000695	.999420
45	.000214	.999844	46	.000178	.999871	46	.000328	.999748
46	.000093	.999937	47	.000076	.999947	47	.000147	.999895
47	.000038	.999975	48	.000031	.999978	48	.000062	.999957
48	.000015	.999990	49	.000012	.999990	49	.000025	.999982
49	.000005	.999995	50	.000004	.999994	50	.000009	.999991
50	.000002	.999997	51	.000001	.999995	51	.000003	.999994
51	.000001	.999998	52	.000000	.999996	52	.000001	.999996
52	.000000	.999998				53	.000000	.999996

p=.43

p=.44

p=.45

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
12	.000000	.000001	12	.000000	.000000	14	.000001	.000002
13	.000002	.000002	13	.000001	.000001	15	.000004	.000005
14	.000005	.000007	14	.000002	.000003	16	.000012	.000017
15	.000016	.000024	15	.000008	.000011	17	.000033	.000050
16	.000046	.000070	16	.000023	.000035	18	.000087	.000137
17	.000121	.000191	17	.000064	.000099	19	.000213	.000350
18	.000294	.000484	18	.000162	.000261	20	.000489	.000839
19	.000665	.001149	19	.000382	.000643	21	.001047	.001886
20	.001404	.002553	20	.000840	.001482	22	.002103	.003989
21	.002774	.005326	21	.001728	.003211	23	.003965	.007954
22	.005136	.010462	22	.003333	.006544	24	.007028	.014982
23	.008928	.019389	23	.006035	.012578	25	.011731	.026713
24	.014592	.033982	24	.010273	.022852	26	.018458	.045171
25	.022457	.056438	25	.016467	.039319	27	.027407	.072578
26	.032579	.089017	26	.024881	.064200	28	.038442	.111020
27	.044603	.133620	27	.035479	.096678	29	.050974	.161994
28	.057682	.191301	28	.047788	.147166	30	.063949	.225944
29	.070523	.261824	29	.060853	.208319	31	.075952	.301895
30	.081576	.343400	30	.073313	.281632	32	.085446	.387341
31	.089332	.432732	31	.083617	.365249	33	.091095	.478436
32	.092662	.525394	32	.090337	.455585	34	.092069	.570505
33	.091086	.616479	33	.092487	.548073	35	.088243	.658747
34	.084882	.701361	34	.089767	.637840	36	.080221	.738968
35	.075011	.776372	35	.082622	.720662	37	.069183	.808151
36	.062874	.839246	36	.072131	.792593	38	.056604	.864755
37	.049995	.889211	37	.059738	.852330	39	.043938	.908693
38	.037716	.926957	38	.046937	.899267	40	.032354	.941047
39	.026993	.953951	39	.034988	.934254	41	.022598	.963645
40	.018327	.972278	40	.024741	.958996	42	.014967	.978612
41	.011802	.984080	41	.016595	.975590	43	.009398	.988010
42	.007208	.991288	42	.010555	.986115	44	.005592	.993602
43	.004173	.995460	43	.006365	.992510	45	.003152	.996754
44	.002289	.997750	44	.003637	.996147	46	.001682	.998436
45	.001190	.998940	45	.001969	.998116	47	.000849	.999285
46	.000585	.999525	46	.001009	.999124	48	.000105	.999690
47	.000272	.999797	47	.000489	.999613	49	.000183	.999873
48	.000120	.999917	48	.000224	.999837	50	.000078	.999951
49	.000050	.999967	49	.000097	.999934	51	.000031	.999982
50	.000020	.999987	50	.000040	.999974	52	.000012	.999994
51	.000007	.999994	51	.000015	.999989	53	.000004	.999998
52	.000003	.999996	52	.000006	.999995	54	.000001	.999999
53	.000001	.999997	53	.000002	.999997	55	.000000	1.000000
54	.000000	.999998	54	.000001	.999997			
			55	.000000	.999997			

50-100 BINOMIAL TABLES

n=75

p=.46

p=.47

p=.48

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
14	.000001	.000001	15	.000001	.000001	15	.000000	.000001
15	.000002	.000002	16	.000003	.000004	16	.000001	.000002
16	.000006	.000008	17	.000008	.000012	17	.000004	.000005
17	.000017	.000025	18	.000023	.000035	18	.000011	.000017
18	.000045	.000070	19	.000061	.000096	19	.000031	.000048
19	.000116	.000186	20	.000152	.000248	20	.000081	.000129
20	.000276	.000462	21	.000353	.000601	21	.000196	.000326
21	.000617	.001079	22	.000769	.001370	22	.000445	.000771
22	.001290	.002369	23	.001571	.002940	23	.000947	.001718
23	.002531	.004900	24	.003018	.005958	24	.001893	.003611
24	.004672	.009572	25	.005459	.011417	25	.003565	.007176
25	.008119	.017692	26	.009310	.020727	26	.006329	.013505
26	.013301	.030993	27	.014983	.035710	27	.010602	.024107
27	.020563	.051556	28	.022778	.058488	28	.016777	.040884
28	.030028	.081584	29	.032736	.091224	29	.025099	.065983
29	.041457	.123040	30	.044513	.135738	30	.035524	.101507
30	.054149	.177190	31	.057301	.193039	31	.047601	.149108
31	.066959	.244148	32	.069869	.262908	32	.060417	.209525
32	.078429	.322577	33	.080735	.343644	33	.072669	.282194
33	.087055	.409632	34	.088442	.432085	34	.082862	.365056
34	.091607	.501239	35	.091874	.523959	35	.089601	.454657
35	.091413	.592652	36	.090526	.614485	36	.091898	.546555
36	.086522	.679174	37	.084617	.699103	37	.089414	.635969
37	.077688	.756862	38	.075038	.774140	38	.082536	.718505
38	.066179	.823041	39	.063131	.837271	39	.072280	.790786
39	.053484	.876525	40	.050385	.887656	40	.060048	.850834
40	.041004	.917529	41	.038143	.925799	41	.047318	.898152
41	.029818	.947347	42	.027382	.953181	42	.035358	.933510
42	.020562	.967909	43	.018635	.971816	43	.025018	.958558
43	.013442	.981352	44	.012018	.983834	44	.016815	.975373
44	.008328	.989680	45	.007342	.991175	45	.010693	.986066
45	.001887	.994567	46	.004246	.995421	46	.006437	.992503
46	.002715	.997282	47	.002323	.997745	47	.003666	.996170
47	.001427	.998709	48	.001202	.998947	48	.001974	.998144
48	.000709	.999418	49	.000587	.999534	49	.001004	.999148
49	.000333	.999751	50	.000271	.999805	50	.000482	.999630
50	.000147	.999898	51	.000118	.999922	51	.000218	.999848
51	.000062	.999960	52	.000048	.999971	52	.000093	.999941
52	.000024	.999984	53	.000019	.999989	53	.000037	.999978
53	.000009	.999993	54	.000007	.999996	54	.000014	.999992
54	.000003	.999996	55	.000002	.999998	55	.000005	.999997
55	.000001	.999997	56	.000001	.999999	56	.000002	.999999
56	.000000	.999997	57	.000000	.999999	57	.000001	.999999
						58	.000000	.999999

n=

75

50-100 BINOMIAL TABLES

p=.49

x	Individual Term	Cumulative (x or less)
16	.000001	.000001
17	.000002	.000002
18	.000005	.000008
19	.000016	.000024
20	.000042	.000066
21	.000106	.000172
22	.000250	.000422
23	.000554	.000976
24	.001154	.002130
25	.002261	.004391
26	.004178	.008568
27	.007284	.015853
28	.011998	.027850
29	.018682	.046532
30	.027522	.074054
31	.038384	.112438
32	.050709	.163147
33	.063484	.226631
34	.075346	.301977
35	.084801	.386779
36	.090529	.477307
37	.091680	.568987
38	.088085	.657072
39	.080290	.737362
40	.069428	.806789
41	.056913	.863733
42	.044289	.908022
43	.032656	.940678
44	.022819	.963497
45	.015103	.978600
46	.009464	.988064
47	.005610	.993674
48	.003144	.996818
49	.001665	.998483
50	.000832	.999315
51	.000392	.999706
52	.000174	.999880
53	.000072	.999952
54	.000028	.999981
55	.000010	.999991
56	.000004	.999995
57	.000001	.999996
58	.000000	.999996

p=.50

x	Individual Term	Cumulative (x or less)
16	.000000	.000000
17	.000001	.000001
18	.000003	.000004
19	.000008	.000011
20	.000021	.000032
21	.000056	.000088
22	.000137	.000225
23	.000315	.000540
24	.000682	.001222
25	.001392	.002614
26	.002677	.005291
27	.004858	.010149
28	.008328	.018477
29	.013498	.031975
30	.020696	.052671
31	.030043	.082714
32	.041309	.124023
33	.053827	.177850
34	.066492	.244342
35	.077891	.322233
36	.086545	.408778
37	.091223	.500001
38	.091223	.591224
39	.086545	.677769
40	.077891	.755660
41	.066492	.822152
42	.053827	.875979
43	.041309	.917288
44	.030043	.947330
45	.020696	.968027
46	.013498	.981524
47	.008328	.989852
48	.004858	.994711
49	.002677	.997388
50	.001392	.998780
51	.000682	.999462
52	.000315	.999777
53	.000137	.999914
54	.000056	.999969
55	.000021	.999991
56	.000008	.999998
57	.000003	1.000002
58	.000001	1.000003
59	.000000	1.000003

50-100 BINOMIAL TABLES

n-
80

p=.01

x	Individual Term	Cumulative (x or less)
0	.447523	.447523
1	.361635	.809158
2	.144289	.953447
3	.037894	.991341
4	.007368	.998709
5	.001131	.999840
6	.000143	.999983
7	.000015	.999999
8	.000001	1.000000
9	.000000	1.000001

p=.02

x	Individual Term	Cumulative (x or less)
0	.198649	.198649
1	.324325	.522974
2	.261445	.784419
3	.138726	.923145
4	.054500	.977645
5	.016906	.994551
6	.004313	.998863
7	.000930	.999794
8	.000173	.999967
9	.000028	.999995
10	.000004	.999999
11	.000001	1.000000
12	.000000	1.000001

p=.03

x	Individual Term	Cumulative (x or less)
0	.087446	.087446
1	.216361	.303806
2	.264317	.568123
3	.212543	.780666
4	.126540	.907206
5	.059487	.966693
6	.022997	.989691
7	.007519	.997210
8	.002122	.999332
9	.000525	.999857
10	.000115	.999972
11	.000023	.999995
12	.000004	.999999
13	.000001	.999999
14	.000000	1.000000

p=.04

x	Individual Term	Cumulative (x or less)
0	.038168	.038168
1	.127226	.163394
2	.209393	.374788
3	.226843	.601630
4	.181947	.783577
5	.115233	.896810
6	.060017	.955827
7	.026436	.985263
8	.010051	.995314
9	.003350	.998665
10	.000991	.999656
11	.000263	.999919
12	.000063	.999982
13	.000014	.999996
14	.000003	.999998

p=.05

x	Individual Term	Cumulative (x or less)
0	.016515	.016515
1	.069538	.086054
2	.144567	.230621
3	.197828	.428449
4	.200431	.628880
5	.160345	.789225
6	.105490	.894715
7	.058694	.953409
8	.028188	.981597
9	.011869	.993466
10	.004435	.997901
11	.001485	.999387
12	.000450	.999836
13	.000124	.999960
14	.000031	.999991
15	.000007	.999998
16	.000002	1.000000
17	.000000	1.000001

p=.06

x	Individual Term	Cumulative (x or less)
0	.007053	.007053
1	.036169	.043253
2	.091193	.134446
3	.151342	.285788
4	.185957	.471745
5	.180418	.652163
6	.143951	.796113
7	.097134	.893247
8	.056575	.949822
9	.028889	.978712
10	.013092	.991804
11	.005318	.997122
12	.001952	.999074
13	.000652	.999726
14	.000199	.999925
15	.000056	.999981
16	.000014	.999995
17	.000003	.999999
18	.000001	1.000000
19	.000000	1.000000

50-100 BINOMIAL TABLES

p=.07

x	Individual Term	Cumulative (x or less)
0	.003010	.003010
1	.018128	.021138
2	.053896	.075034
3	.105473	.180507
4	.152823	.333329
5	.174842	.508172
6	.164502	.672674
7	.130894	.803568
8	.089902	.893469
9	.054134	.947604
10	.028930	.976534
11	.013857	.990391
12	.005997	.996388
13	.002361	.998749
14	.000851	.999599
15	.000282	.999881
16	.000086	.999967
17	.000024	.999992
18	.000006	.999998
19	.000002	1.000000
20	.000000	1.000001

p=.08

x	Individual Term	Cumulative (x or less)
0	.001268	.001268
1	.008819	.010087
2	.030291	.040378
3	.068485	.108863
4	.114637	.223200
5	.151521	.375020
6	.164696	.539717
7	.151398	.691114
8	.120131	.811245
9	.083569	.894815
10	.051595	.946410
11	.028551	.974960
12	.014275	.989236
13	.006493	.995729
14	.002702	.998431
15	.001034	.999465
16	.000365	.999830
17	.000120	.999949
18	.000036	.999986
19	.000010	.999996
20	.000003	.999999
21	.000001	.999999
22	.000000	1.000000

p=.09

x	Individual Term	Cumulative (x or less)
0	.000529	.000529
1	.004184	.004713
2	.016346	.021059
3	.042032	.063090
4	.080022	.143112
5	.120296	.263408
6	.148718	.412125
7	.155488	.567614
8	.140324	.707937
9	.111025	.818963
10	.077962	.896925
11	.049067	.945992
12	.027903	.973895
13	.014435	.988330
14	.006832	.995163
15	.002973	.998136
16	.001195	.999330
17	.000445	.999775
18	.000154	.999929
19	.000050	.999979
20	.000015	.999994
21	.000004	.999998
22	.000001	.999999
23	.000000	.999999
24	.000000	1.000000

50-100 BINOMIAL TABLES

n=80

p=.10

p=.11

p=.12

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
0	.000218	.000218	0	.000089	.000089	0	.000036	.000036
1	.001942	.002160	1	.000884	.000973	1	.000395	.000431
2	.008523	.010684	2	.004314	.005287	2	.002127	.002558
3	.024623	.035306	3	.013863	.019151	3	.007540	.010098
4	.052665	.087971	4	.032984	.052134	4	.019792	.029890
5	.088945	.176917	5	.061965	.114100	5	.041024	.070914
6	.123535	.300452	6	.095733	.209833	6	.069928	.140842
7	.145105	.445556	7	.125083	.334915	7	.100805	.241647
8	.117120	.592676	8	.141070	.475985	8	.125433	.367080
9	.130773	.723449	9	.139484	.615469	9	.136836	.503917
10	.103166	.826615	10	.122402	.737871	10	.132482	.636399
11	.072945	.899560	11	.096271	.834142	11	.114964	.751363
12	.046604	.946164	12	.068417	.902559	12	.090142	.841505
13	.027086	.973250	13	.044232	.946791	13	.064297	.905803
14	.014403	.987653	14	.026163	.972953	14	.041960	.947763
15	.007041	.994695	15	.014228	.987181	15	.025176	.972939
16	.003178	.997873	16	.007144	.994325	16	.013947	.986886
17	.001330	.999202	17	.003324	.997649	17	.007160	.994046
18	.000517	.999719	18	.001438	.999087	18	.003417	.997463
19	.000187	.999907	19	.000580	.999667	19	.001521	.998984
20	.000064	.999970	20	.000219	.999885	20	.000632	.999616
21	.000020	.999991	21	.000077	.999963	21	.000246	.999863
22	.000006	.999997	22	.000026	.999988	22	.000090	.999953
23	.000002	.999998	23	.000008	.999996	23	.000031	.999984
24	.000000	.999999	24	.000002	.999999	24	.000010	.999994
			25	.000001	.999999	25	.000003	.999997
			26	.000000	.999999	26	.000001	.999998
						27	.000000	.999998

n=

80

50-100 BINOMIAL TABLES

p=.13

x	Individual Term	Cumulative (x or less)
0	.000015	.000015
1	.000173	.000188
2	.001023	.001211
3	.003976	.005188
4	.011437	.016625
5	.025977	.042602
6	.048521	.091123
7	.076645	.167769
8	.104507	.272275
9	.124927	.397202
10	.132538	.529740
11	.126029	.655769
12	.108283	.764052
13	.084635	.848687
14	.060523	.909210
15	.039792	.949002
16	.024155	.973158
17	.013588	.986746
18	.007107	.993853
19	.003465	.997318
20	.001579	.998897
21	.000674	.999571
22	.000270	.999842
23	.000102	.999943
24	.000036	.999979
25	.000012	.999992
26	.000004	.999995
27	.000001	.999996
28	.000000	.999997

p=.14

x	Individual Term	Cumulative (x or less)
0	.000006	.000006
1	.000075	.000081
2	.000482	.000562
3	.002039	.002601
4	.006390	.008991
5	.015811	.024802
6	.032174	.056976
7	.055368	.112344
8	.082248	.194592
9	.107113	.301705
10	.123803	.425509
11	.128253	.553761
12	.120051	.673812
13	.102226	.776037
14	.079641	.855678
15	.057045	.912723
16	.037726	.950449
17	.023121	.973570
18	.013173	.986743
19	.006998	.993741
20	.003475	.997216
21	.001616	.999832
22	.000706	.999537
23	.000290	.999827
24	.000112	.999939
25	.000041	.999980
26	.000014	.999994
27	.000005	.999998
28	.000001	1.000000
29	.000000	1.000001

p=.15

x	Individual Term	Cumulative (x or less)
0	.000002	.000002
1	.000032	.000034
2	.000222	.000256
3	.001019	.001275
4	.003462	.004737
5	.009286	.014023
6	.020483	.034506
7	.038212	.072718
8	.061532	.134250
9	.086869	.221119
10	.108842	.329961
11	.122229	.452190
12	.124027	.576217
13	.114486	.690703
14	.096688	.787391
15	.075075	.862166
16	.053822	.916289
17	.035757	.952046
18	.022085	.974311
19	.012718	.986849
20	.006845	.993695
21	.003451	.997146
22	.001633	.998779
23	.000727	.999506
24	.000305	.999811
25	.000120	.999931
26	.000045	.999976
27	.000016	.999992
28	.000005	.999998
29	.000002	.999999
30	.000001	1.000000
31	.000000	1.000000

50-100 BINOMIAL TABLES

n=

80

p=.16

p=.17

p=.18

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
0	.000001	.000001	1	.000006	.000006	1	.000002	.000002
1	.000013	.000014	2	.000045	.000050	2	.000019	.000022
2	.000100	.000115	3	.000237	.000288	3	.000111	.000132
3	.000497	.000612	4	.000935	.001223	4	.000468	.000600
4	.001823	.002435	5	.002911	.004134	5	.001561	.002161
5	.005278	.007713	6	.007453	.011586	6	.004283	.006444
6	.012567	.020280	7	.016137	.027723	7	.009938	.016382
7	.025305	.045585	8	.030160	.057883	8	.019906	.036288
8	.043982	.089567	9	.049418	.107301	9	.034957	.071245
9	.067021	.156588	10	.071865	.179166	10	.054482	.125727
10	.090638	.247226	11	.093668	.272834	11	.076106	.201833
11	.109864	.357090	12	.110314	.383147	12	.096060	.297893
12	.120327	.477417	13	.118186	.501333	13	.110298	.408192
13	.119886	.597304	14	.115847	.617180	14	.115871	.524062
14	.109284	.706588	15	.104402	.721582	15	.111914	.635976
15	.091591	.798179	16	.086870	.808452	16	.099801	.735778
16	.070874	.869052	17	.066984	.875436	17	.082476	.818254
17	.050823	.919875	18	.048019	.923455	18	.063366	.881619
18	.033882	.953757	19	.032094	.955549	19	.045389	.927008
19	.021059	.974816	20	.020049	.975598	20	.030388	.957396
20	.012234	.987050	21	.011733	.987331	21	.019059	.976455
21	.006658	.993709	22	.006445	.993775	22	.011220	.987675
22	.003401	.997110	23	.003329	.997104	23	.006211	.993886
23	.001634	.998744	24	.001619	.998723	24	.003238	.997124
24	.000739	.999483	25	.000743	.999466	25	.001592	.998716
25	.000315	.999798	26	.000322	.999788	26	.000739	.999455
26	.000127	.999925	27	.000132	.999920	27	.000325	.999780
27	.000048	.999973	28	.000051	.999971	28	.000135	.999915
28	.000017	.999991	29	.000019	.999990	29	.000053	.999968
29	.000006	.999997	30	.000007	.999996	30	.000020	.999988
30	.000002	.999999	31	.000002	.999998	31	.000007	.999995
31	.000001	.999999	32	.000001	.999999	32	.000002	.999997
32	.000000	1.000000	33	.000000	.999999	33	.000001	.999998
						34	.000000	.999998

p=.19

x	Individual Term	Cumulative (x or less)
1	.000001	.000001
2	.000008	.000009
3	.000051	.000060
4	.000229	.000288
5	.000815	.001103
6	.002389	.003492
7	.005925	.009417
8	.012681	.022098
9	.023797	.045895
10	.039632	.085527
11	.059159	.144636
12	.079792	.224478
13	.097902	.322380
14	.109902	.432282
15	.113430	.545711
16	.108091	.653802
17	.095453	.769255
18	.078366	.827621
19	.059984	.887604
20	.042914	.930518
21	.028761	.959279
22	.018093	.977372
23	.010702	.988074
24	.005962	.994036
25	.003133	.997169
26	.001554	.998723
27	.000729	.999452
28	.000324	.999776
29	.000136	.999912
30	.000054	.999966
31	.000021	.999987
32	.000007	.999994
33	.000003	.999997
34	.000001	.999998
35	.000000	.999998

p=.20

x	Individual Term	Cumulative (x or less)
1	.000000	.000000
2	.000003	.000004
3	.000023	.000027
4	.000109	.000136
5	.000415	.000550
6	.001296	.001847
7	.003126	.005272
8	.007815	.013088
9	.015630	.028718
10	.027743	.056461
11	.044137	.100598
12	.063447	.164045
13	.082969	.247014
14	.099267	.346281
15	.109194	.455475
16	.110900	.566374
17	.104376	.670750
18	.091329	.762080
19	.074505	.836585
20	.056810	.893395
21	.040579	.933974
22	.027206	.961180
23	.017152	.978332
24	.010184	.988516
25	.005703	.994219
26	.003016	.997235
27	.001508	.998743
28	.000714	.999456
29	.000320	.999776
30	.000136	.999912
31	.000055	.999967
32	.000021	.999988
33	.000008	.999996
34	.000003	.999998
35	.000001	.999999
36	.000000	1.000000

p=.21

x	Individual Term	Cumulative (x or less)
2	.000001	.000002
3	.000010	.000012
4	.000051	.000063
5	.000206	.000269
6	.000685	.000953
7	.001924	.002878
8	.004668	.007546
9	.009927	.017472
10	.018735	.036207
11	.031692	.067899
12	.048440	.116339
13	.067354	.183693
14	.085685	.269378
15	.100219	.369596
16	.108226	.477823
17	.108307	.586130
18	.100767	.686896
19	.087407	.774303
20	.070866	.845170
21	.053822	.898992
22	.038369	.937361
23	.025720	.963082
24	.016238	.979320
25	.009669	.988989
26	.005437	.994425
27	.002891	.997316
28	.001454	.998770
29	.000693	.999464
30	.000313	.999777
31	.000134	.999911
32	.000055	.999966
33	.000021	.999987
34	.000008	.999995
35	.000003	.999997
36	.000001	.999998
37	.000000	.999999

50-100 BINOMIAL TABLES

n=
80

p=.22

p=.23

p=.24

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
2	.000001	.000001	3	.000002	.000002	3	.000001	.000001
3	.000004	.000005	4	.000010	.000013	4	.000005	.000005
4	.000023	.000028	5	.000047	.000060	5	.000022	.000027
5	.000100	.000128	6	.000177	.000237	6	.000087	.000114
6	.000353	.000481	7	.000560	.000797	7	.000290	.000405
7	.001052	.001533	8	.001525	.002322	8	.000837	.001241
8	.002706	.004239	9	.003645	.005967	9	.002113	.003355
9	.006107	.010346	10	.007730	.013697	10	.004738	.008093
10	.012229	.022575	11	.014694	.028391	11	.009522	.017615
11	.021950	.04526	12	.025237	.053628	12	.017290	.034905
12	.035599	.080125	13	.039431	.093059	13	.028560	.063465
13	.052521	.132646	14	.056367	.149426	14	.043162	.106626
14	.070893	.203539	15	.074082	.223507	15	.059972	.166599
15	.087981	.291520	16	.089896	.313404	16	.076938	.243537
16	.100811	.392331	17	.101090	.414494	17	.091468	.335005
17	.107045	.499376	18	.105685	.520180	18	.101096	.436101
18	.105673	.605048	19	.103013	.623192	19	.104177	.540277
19	.097259	.702307	20	.093848	.717041	20	.100339	.640616
20	.083668	.785975	21	.080093	.797134	21	.090531	.731147
21	.067424	.853399	22	.061160	.861294	22	.076670	.807817
22	.051000	.904400	23	.048328	.909622	23	.061055	.868872
23	.036275	.940674	24	.034285	.943907	24	.045791	.914664
24	.024299	.964974	25	.022940	.966846	25	.032391	.947055
25	.015352	.980326	26	.014495	.981341	26	.021638	.968693
26	.009160	.989486	27	.008659	.990000	27	.013666	.982359
27	.005167	.994653	28	.004896	.994896	28	.008169	.990528
28	.002759	.997411	29	.002622	.997518	29	.004626	.995153
29	.001395	.998806	30	.001332	.998850	30	.002483	.997637
30	.000669	.999475	31	.000642	.999491	31	.001265	.998901
31	.000304	.999780	32	.000293	.999785	32	.000612	.999513
32	.000131	.999911	33	.000127	.999912	33	.000281	.999794
33	.000054	.999965	34	.000053	.999965	34	.000123	.999917
34	.000021	.999986	35	.000021	.999986	35	.000051	.999967
35	.000008	.999994	36	.000008	.999993	36	.000020	.999988
36	.000003	.999997	37	.000003	.999996	37	.000008	.999995
37	.000001	.999997	38	.000001	.999997	38	.000003	.999998
38	.000000	.999998	39	.000000	.999997	39	.000001	.999999
						40	.000000	.999999

50-100 BINOMIAL TABLES

p=.25

x	Individual Term	Cumulative (x or less)
4	.000002	.000002
5	.000010	.000012
6	.000042	.000054
7	.000147	.000201
8	.000447	.000648
9	.001192	.001839
10	.002820	.004659
11	.005982	.010641
12	.011465	.022106
13	.019990	.042097
14	.031890	.073986
15	.046771	.120758
16	.063336	.184094
17	.079481	.263574
18	.092728	.356302
19	.100862	.457163
20	.102543	.559706
21	.097660	.657365
22	.087302	.744667
23	.073384	.818051
24	.058096	.876147
25	.043378	.919525
26	.030587	.950112
27	.020391	.970503
28	.012866	.983369
29	.007690	.991059
30	.004358	.995417
31	.002343	.997760
32	.001196	.998956
33	.000580	.999536
34	.000267	.999803
35	.000117	.999920
36	.000049	.999969
37	.000019	.999988
38	.000007	.999995
39	.000003	.999998
40	.000001	.999999
41	.000000	.999999

p=.26

x	Individual Term	Cumulative (x or less)
4	.000001	.000001
5	.000004	.000005
6	.000020	.000025
7	.000073	.000098
8	.000233	.000330
9	.000654	.000984
10	.001631	.002615
11	.003647	.006262
12	.007368	.013531
13	.013542	.027173
14	.022770	.049943
15	.035201	.085144
16	.050245	.135389
17	.066461	.201850
18	.081729	.283579
19	.093704	.377283
20	.100415	.477698
21	.108030	.578501
22	.094982	.673183
23	.084156	.757639
24	.070225	.827864
25	.055269	.883132
26	.041078	.924210
27	.028866	.953076
28	.019197	.972273
29	.012095	.984368
30	.007224	.991592
31	.004094	.995686
32	.002203	.997888
33	.001126	.999014
34	.000547	.999561
35	.000252	.999813
36	.000111	.999924
37	.000046	.999970
38	.000018	.999989
39	.000007	.999996
40	.000003	.999998
41	.000001	.999999
42	.000000	.999999

p=.27

x	Individual Term	Cumulative (x or less)
5	.000002	.000002
6	.000009	.000011
7	.000035	.000046
8	.000118	.000164
9	.000350	.000514
10	.000918	.001432
11	.002160	.003592
12	.004595	.008187
13	.008889	.017076
14	.015734	.028110
15	.025606	.058416
16	.038475	.096891
17	.053573	.150464
18	.069351	.219815
19	.083702	.303516
20	.094422	.397939
21	.099781	.497719
22	.098973	.596693
23	.092312	.689005
24	.081089	.770094
25	.067182	.837275
26	.052563	.889839
27	.038882	.928721
28	.027221	.955943
29	.018053	.973996
30	.011351	.985347
31	.006772	.992119
32	.003835	.995954
33	.002063	.998017
34	.001055	.999072
35	.000513	.999585
36	.000237	.999822
37	.000104	.999926
38	.000044	.999970
39	.000017	.999987
40	.000007	.999994
41	.000002	.999996
42	.000001	.999997
43	.000000	.999998

50-100 BINOMIAL TABLES

n-
80

p=.28

p=.29

p=.30

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
5	.000001	.000001	6	.000002	.000002	6	.000001	.000001
6	.000004	.000005	7	.000008	.000010	7	.000003	.000004
7	.000016	.000021	8	.000028	.000038	8	.000013	.000018
8	.000059	.000080	9	.000093	.000131	9	.000046	.000064
9	.000182	.000262	10	.000268	.000399	10	.000140	.000203
10	.000503	.000765	11	.000697	.001096	11	.000381	.000584
11	.001244	.002009	12	.001638	.002734	12	.000938	.001521
12	.002783	.004792	13	.003499	.006233	13	.002102	.003623
13	.005660	.010452	14	.006840	.013074	14	.004311	.007935
14	.010534	.020986	15	.012293	.025367	15	.008130	.016065
15	.018025	.039011	16	.020398	.045765	16	.014155	.030220
16	.028477	.067489	17	.021366	.077131	17	.022838	.053058
17	.041692	.109181	18	.044841	.121972	18	.034257	.087315
18	.056748	.165929	19	.059765	.181737	19	.047908	.135223
19	.072013	.237942	20	.074454	.256191	20	.062623	.197846
20	.085416	.323358	21	.086888	.343079	21	.076682	.274528
21	.094906	.418264	22	.095176	.438255	22	.088134	.362662
22	.098981	.517244	23	.098032	.536287	23	.095250	.457912
23	.097068	.614312	24	.095098	.631385	24	.096951	.554863
24	.089653	.703965	25	.087008	.718393	25	.093073	.647937
25	.078098	.782063	26	.075178	.793571	26	.064380	.732316
26	.061247	.846310	27	.061413	.854984	27	.072325	.804641
27	.049970	.896280	28	.074781	.902464	28	.058672	.863314
28	.036783	.933063	29	.034774	.937239	29	.045088	.908401
29	.025650	.958713	30	.024146	.961385	30	.032850	.941251
30	.016957	.975670	31	.015907	.977292	31	.022707	.963958
31	.010636	.986307	32	.009949	.987241	32	.014902	.978860
32	.006334	.992640	33	.005911	.993152	33	.009289	.988149
33	.003583	.996223	34	.003337	.996489	34	.005503	.993653
34	.001926	.998149	35	.001792	.998281	35	.003100	.996752
35	.000984	.999134	36	.000915	.999196	36	.001661	.998413
36	.000479	.999612	37	.000444	.999640	37	.000846	.999259
37	.000221	.999833	38	.000205	.999845	38	.000410	.999670
38	.000097	.999931	39	.000090	.999936	39	.000189	.999859
39	.000041	.999972	40	.000038	.999974	40	.000083	.999942
40	.000016	.999988	41	.000015	.999989	41	.000035	.999977
41	.000006	.999994	42	.000006	.999994	42	.000014	.999991
42	.000002	.999996	43	.000002	.999996	43	.000005	.999996
43	.000001	.999997	44	.000001	.999997	44	.000002	.999998
44	.000000	.999997	45	.000000	.999997	45	.000001	.999999
			46			46		.999999

n=

80

50-100 BINOMIAL TABLES

p=.31

p=.32

p=.33

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
7	.000002	.000002	7	.000001	.000001	8	.000001	.000002
8	.000006	.000008	8	.000003	.000004	9	.000005	.000006
9	.000022	.000030	9	.000010	.000014	10	.000017	.000023
10	.000071	.000101	10	.000035	.000049	11	.000053	.000076
11	.000202	.000303	11	.000105	.000154	12	.000150	.000226
12	.000522	.000826	12	.000283	.000437	13	.000386	.000611
13	.001228	.002053	13	.000697	.001135	14	.000909	.001520
14	.002640	.004693	14	.001571	.002705	15	.001970	.003490
15	.005218	.009911	15	.003253	.005958	16	.003942	.007432
16	.009524	.019435	16	.006218	.012176	17	.007309	.014742
17	.016109	.035544	17	.011016	.023192	18	.012600	.027342
18	.025331	.060874	18	.018144	.041337	19	.020251	.047593
19	.037136	.098010	19	.027863	.069199	20	.030423	.078016
20	.050887	.148897	20	.039991	.109190	21	.042812	.120828
21	.065321	.214218	21	.053769	.162959	22	.056550	.177378
22	.078703	.292922	22	.067859	.230818	23	.070238	.247616
23	.089167	.382089	23	.080528	.311346	24	.082163	.329779
24	.095144	.477234	24	.090002	.401348	25	.090649	.420428
25	.095751	.572895	25	.094872	.496220	26	.094448	.514876
26	.091001	.663985	26	.094443	.590663	27	.093038	.607914
27	.081769	.745754	27	.088888	.679551	28	.086740	.694654
28	.069537	.815292	28	.079177	.758728	29	.076606	.771260
29	.056019	.871311	29	.066811	.825539	30	.064143	.835403
30	.042786	.914096	30	.053449	.878987	31	.050956	.886360
31	.031004	.945101	31	.040568	.919555	32	.038431	.924791
32	.021329	.966430	32	.029233	.948788	33	.027533	.952323
33	.013939	.980368	33	.020010	.968798	34	.018746	.971069
34	.008657	.989025	34	.013017	.981815	35	.012135	.983204
35	.005112	.994136	35	.008051	.989866	36	.007471	.990675
36	.002871	.997007	36	.004736	.994601	37	.004376	.995051
37	.001534	.998541	37	.002650	.997251	38	.002439	.997490
38	.000780	.999320	38	.001411	.998663	39	.001294	.998784
39	.000377	.999698	39	.000715	.999378	40	.000653	.999437
40	.000174	.999871	40	.000345	.999723	41	.000314	.999751
41	.000076	.999948	41	.000158	.999881	42	.000144	.999894
42	.000032	.999979	42	.000069	.999950	43	.000062	.999957
43	.000013	.999992	43	.000029	.999979	44	.000026	.999983
44	.000005	.999997	44	.000011	.999991	45	.000010	.999993
45	.000002	.999998	45	.000004	.999995	46	.000004	.999997
46	.000001	.999999	46	.000002	.999996	47	.000001	.999998
47	.000000	.999999	47	.000001	.999997	48	.000000	.999999
			48	.000000	.999997			

50-100 BINOMIAL TABLES

n=

80

p=.34

p=.35

p=.36

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
8	.000001	.000001	9	.000001	.000001	9	.000000	.000001
9	.000002	.000003	10	.000004	.000005	10	.000002	.000002
10	.000008	.000011	11	.000012	.000017	11	.000006	.000008
11	.000026	.000037	12	.000039	.000056	12	.000019	.000027
12	.000077	.000114	13	.000109	.000165	13	.000056	.000082
13	.000208	.000321	14	.000280	.000445	14	.000149	.000232
14	.000512	.000833	15	.000664	.001109	15	.000370	.000602
15	.001160	.001993	16	.001453	.002562	16	.000845	.001447
16	.002428	.004421	17	.002945	.005507	17	.001790	.003237
17	.004708	.009129	18	.005551	.011058	18	.003524	.006762
18	.008489	.017617	19	.009753	.020811	19	.006469	.013231
19	.014269	.031887	20	.016017	.036828	20	.011099	.024330
20	.022420	.054307	21	.024642	.061470	21	.017837	.042167
21	.033000	.087307	22	.035585	.097055	22	.026908	.069075
22	.045590	.132897	23	.048319	.145374	23	.038168	.107244
23	.059225	.192122	24	.061792	.207166	24	.050991	.158234
24	.072461	.264584	25	.074531	.281697	25	.064248	.222483
25	.083616	.348200	26	.084895	.366591	26	.076449	.298932
26	.091120	.439320	27	.091425	.458016	27	.086005	.384937
27	.093881	.533202	28	.093183	.551200	28	.091573	.476510
28	.091544	.624746	29	.089970	.641170	29	.092362	.568872
29	.084561	.709308	30	.082357	.723527	30	.088321	.657193
30	.074055	.783363	31	.071526	.795053	31	.080130	.737323
31	.061532	.844895	32	.058975	.854027	32	.069018	.806342
32	.048538	.893433	33	.046190	.900217	33	.056469	.862811
33	.036370	.929803	34	.034381	.934598	34	.043909	.906720
34	.025900	.955702	35	.024331	.958930	35	.032461	.939182
35	.017536	.973238	36	.016377	.975306	36	.022824	.962006
36	.011292	.984530	37	.010487	.985793	37	.015268	.977274
37	.006918	.991447	38	.006390	.992183	38	.009718	.986992
38	.004032	.995480	39	.003705	.995888	39	.005887	.992879
39	.002237	.997717	40	.002045	.997933	40	.003394	.996273
40	.001181	.998898	41	.001074	.999007	41	.001863	.998136
41	.000594	.999492	42	.000537	.999544	42	.000973	.999109
42	.000284	.999776	43	.000256	.999800	43	.000484	.999592
43	.000129	.999905	44	.000116	.999916	44	.000229	.999821
44	.000056	.999961	45	.000050	.999965	45	.000103	.999924
45	.000023	.999984	46	.000020	.999986	46	.000044	.999968
46	.000009	.999993	47	.000008	.999994	47	.000018	.999986
47	.000003	.999997	48	.000003	.999997	48	.000007	.999993
48	.000001	.999998	49	.000001	.999998	49	.000003	.999995
49	.000000	.999998	50	.000000	.999998	50	.000001	.999996

50-100 BINOMIAL TABLES

p=.37

x	Individual Term	Cumulative (x or less)
10	.000001	.000001
11	.000003	.000004
12	.000009	.000013
13	.000028	.000040
14	.000078	.000118
15	.000200	.000318
16	.000478	.000797
17	.001058	.001854
18	.002174	.004028
19	.004166	.008194
20	.007463	.015657
21	.012522	.028179
22	.019723	.047902
23	.029211	.077113
24	.040744	.117857
25	.053601	.171458
26	.066592	.238051
27	.078220	.316270
28	.086955	.403225
29	.091572	.494797
30	.091426	.586223
31	.086604	.672828
32	.077884	.750711
33	.066533	.817244
34	.054015	.871259
35	.041693	.912953
36	.030608	.943561
37	.021377	.964938
38	.014207	.979145
39	.008985	.988131
40	.005409	.993540
41	.003099	.996639
42	.001690	.998329
43	.000877	.999206
44	.000433	.999640
45	.000204	.999843
46	.000091	.999934
47	.000039	.999973
48	.000016	.999988
49	.000006	.999994
50	.000002	.999997
51	.000001	.999997
52	.000000	.999998

p=.38

x	Individual Term	Cumulative (x or less)
10	.000000	.000000
11	.000001	.000002
12	.000004	.000006
13	.000013	.000019
14	.000039	.000058
15	.000106	.000164
16	.000263	.000427
17	.000607	.001035
18	.001303	.002337
19	.002606	.004943
20	.004871	.009814
21	.008530	.018343
22	.014020	.032363
23	.021669	.054032
24	.031542	.085574
25	.043304	.128879
26	.056145	.185024
27	.068823	.253848
28	.079845	.333692
29	.087749	.421441
30	.091429	.512870
31	.090382	.603252
32	.084824	.688077
33	.075621	.763697
34	.064069	.827767
35	.051610	.879377
36	.039540	.918916
37	.028819	.947735
38	.019987	.967723
39	.013193	.980915
40	.008288	.989203
41	.004956	.994159
42	.002820	.996979
43	.001528	.998507
44	.000787	.999294
45	.000386	.999681
46	.000180	.999861
47	.000080	.999940
48	.000034	.999974
49	.000013	.999987
50	.000005	.999993
51	.000002	.999994
52	.000001	.999995
53	.000000	.999996
54	.000000	.999996

p=.39

x	Individual Term	Cumulative (x or less)
11	.000001	.000001
12	.000002	.000003
13	.000006	.000009
14	.000019	.000028
15	.000054	.000082
16	.000141	.000223
17	.000339	.000562
18	.000759	.001321
19	.001583	.002904
20	.003087	.005591
21	.005639	.011630
22	.009668	.021298
23	.015587	.036885
24	.023669	.060554
25	.033897	.094450
26	.045844	.140294
27	.058620	.198914
28	.070941	.269855
29	.081328	.351183
30	.088394	.439576
31	.091152	.530728
32	.089237	.619965
33	.082986	.702951
34	.073343	.776295
35	.061629	.837924
36	.049253	.887176
37	.037447	.924623
38	.027092	.951715
39	.018653	.970368
40	.012224	.982592
41	.007625	.990217
42	.004527	.994743
43	.002558	.997301
44	.001375	.998676
45	.000703	.999379
46	.000342	.999721
47	.000158	.999879
48	.000070	.999949
49	.000029	.999978
50	.000012	.999989
51	.000004	.999994
52	.000002	.999995
53	.000001	.999996
54	.000000	.999996

50-100 BINOMIAL TABLES

n=

80

p=.40

p=.41

p=.42

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
11	.000000	.000000	13	.000001	.000002	13	.000001	.000001
12	.000001	.000001	14	.000004	.000006	14	.000002	.000003
13	.000003	.000004	15	.000013	.000019	15	.000006	.000009
14	.000009	.000013	16	.000037	.000056	16	.000018	.000027
15	.000027	.000040	17	.000097	.000153	17	.000050	.000077
16	.000073	.000114	18	.000236	.000390	18	.000126	.000203
17	.000184	.000298	19	.000536	.000926	19	.000299	.000502
18	.000429	.000727	20	.001136	.002061	20	.000659	.001161
19	.000934	.001662	21	.002255	.004316	21	.001364	.002525
20	.001900	.003561	22	.004202	.008518	22	.002649	.005174
21	.003619	.007180	23	.007363	.015881	23	.004837	.010012
22	.006470	.013650	24	.012153	.028034	24	.008320	.018332
23	.010877	.024526	25	.018917	.046951	25	.013495	.031826
24	.017221	.041747	26	.027809	.074760	26	.020672	.052499
25	.025717	.067464	27	.038649	.113409	27	.029939	.082437
26	.036267	.103732	28	.050838	.161248	28	.041037	.123474
27	.048357	.152088	29	.063347	.227595	29	.053284	.176759
28	.061021	.213110	30	.074836	.302431	30	.065595	.242353
29	.072945	.286055	31	.083878	.386309	31	.076612	.318966
30	.082671	.368726	32	.089254	.475563	32	.084951	.403917
31	.088894	.457620	33	.090216	.565779	33	.089478	.493394
32	.090746	.548365	34	.086664	.652443	34	.089568	.582963
33	.087996	.636361	35	.079151	.731594	35	.085244	.668207
34	.081094	.717455	36	.068754	.800349	36	.077161	.745368
35	.071054	.788509	37	.056818	.857166	37	.066446	.811814
36	.059212	.847720	38	.044679	.901845	38	.054447	.866262
37	.046942	.894663	39	.033436	.935281	39	.042460	.908722
38	.035413	.930076	40	.023816	.959097	40	.031516	.940237
39	.025425	.955500	41	.016147	.975244	41	.022265	.962503
40	.017373	.972874	42	.010419	.985663	42	.014971	.977474
41	.011300	.984174	43	.006398	.992061	43	.009581	.987055
42	.006995	.991169	44	.003739	.995800	44	.005834	.992889
43	.004121	.995290	45	.002079	.997879	45	.003380	.996268
44	.002310	.997600	46	.001099	.998978	46	.001862	.998130
45	.001232	.998832	47	.000552	.999530	47	.000975	.999106
46	.000625	.999457	48	.000264	.999794	48	.000486	.999592
47	.000301	.999759	49	.000120	.999914	49	.000230	.999821
48	.000138	.999897	50	.000052	.999966	50	.000103	.999924
49	.000060	.999957	51	.000021	.999987	51	.000044	.999968
50	.000025	.999982	52	.000008	.999995	52	.000018	.999986
51	.000010	.999992	53	.000003	.999998	53	.000007	.999993
52	.000004	.999995	54	.000001	.999999	54	.000002	.999995
53	.000001	.999997	55	.000000	.999999	55	.000001	.999996
54	.000000	.999997				56	.000000	.999996

50-100 BINOMIAL TABLES

p=.43

x	Individual Term	Cumulative (x or less)
14	.000001	.000001
15	.000003	.000004
16	.000009	.000013
17	.000025	.000038
18	.000066	.000103
19	.000162	.000265
20	.000372	.000637
21	.000801	.001438
22	.001621	.003059
23	.003084	.006143
24	.005526	.011669
25	.009337	.021006
26	.014901	.035907
27	.022482	.058389
28	.032103	.090493
29	.043426	.133918
30	.055691	.189610
31	.067763	.257372
32	.078276	.335648
33	.085892	.421540
34	.089570	.511110
35	.088807	.599917
36	.083743	.683660
37	.075127	.758787
38	.061132	.822919
39	.052102	.875020
40	.042871	.915308
41	.029651	.944959
42	.020771	.965729
43	.013847	.979576
44	.008784	.988360
45	.005301	.993662
46	.003043	.996705
47	.001661	.998365
48	.000861	.999226
49	.000424	.999651
50	.000198	.999849
51	.000088	.999937
52	.000037	.999974
53	.000015	.999989
54	.000006	.999995
55	.000002	.999997
56	.000001	.999998
57	.000000	.999998

p=.44

x	Individual Term	Cumulative (x or less)
14	.000000	.000000
15	.000001	.000002
16	.000004	.000006
17	.000012	.000018
18	.000033	.000051
19	.000085	.000136
20	.000204	.000340
21	.000457	.000797
22	.000963	.001760
23	.001908	.003668
24	.003561	.007229
25	.006267	.013496
26	.010416	.023912
27	.016368	.040280
28	.024344	.064624
29	.034297	.098922
30	.045811	.144733
31	.058056	.202789
32	.069848	.272637
33	.079827	.352464
34	.086703	.439167
35	.089534	.528700
36	.087935	.616635
37	.082163	.698798
38	.073051	.771849
39	.061812	.833662
40	.049781	.883443
41	.038160	.921602
42	.027841	.949443
43	.019331	.968775
44	.012773	.981547
45	.001474	.998577
46	.000756	.999333
47	.000368	.999702
48	.000170	.999872
49	.000075	.999946
50	.000031	.999977
51	.000012	.999990
52	.000005	.999994
53	.000002	.999996
54	.000001	.999996
55	.000000	.999996

p=.45

x	Individual Term	Cumulative (x or less)
15	.000001	.000000
16	.000002	.000000
17	.000006	.000000
18	.000016	.000000
19	.000043	.000000
20	.000108	.000001
21	.000253	.000041
22	.000555	.000909
23	.001146	.002143
24	.002226	.004343
25	.004080	.008444
26	.007062	.015444
27	.011555	.027044
28	.017896	.044944
29	.026254	.071244
30	.036518	.107744
31	.048190	.155944
32	.060375	.216244
33	.071851	.288144
34	.081265	.369444
35	.087386	.456744
36	.089372	.546144
37	.086936	.633144
38	.080507	.713644
39	.070937	.784544
40	.059490	.844044
41	.047186	.891544
42	.036077	.927644
43	.026086	.953644
44	.017947	.971644
45	.011747	.983344
46	.007313	.990744
47	.004328	.995044
48	.002435	.997444
49	.001301	.998744
50	.000660	.999444
51	.000318	.999744
52	.000145	.999844
53	.000063	.999944
54	.000026	.999994
55	.000010	.999999
56	.000004	.999999
57	.000001	.999999
58	.000000	.999999

50-100 BINOMIAL TABLES

n=

80

p=.46

p=.47

p=.48

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
15	.000000	.000000	17	.000001	.000002	17	.000000	.000001
16	.000001	.000001	18	.000004	.000005	18	.000002	.000002
17	.000003	.000004	19	.000010	.000016	19	.000005	.000007
18	.000008	.000011	20	.000028	.000044	20	.000014	.000021
19	.000022	.000033	21	.000071	.000114	21	.000036	.000057
20	.000056	.000089	22	.000169	.000283	22	.000089	.000145
21	.000136	.000225	23	.000377	.000660	23	.000207	.000352
22	.000311	.000535	24	.000794	.001454	24	.000453	.000805
23	.000667	.001203	25	.001578	.003032	25	.000937	.001742
24	.001350	.002553	26	.002960	.005992	26	.001829	.003571
25	.002576	.005129	27	.005249	.011241	27	.003377	.006948
26	.004643	.009772	28	.008311	.020052	28	.005900	.012818
27	.007910	.017681	29	.014010	.034062	29	.009766	.022614
28	.012754	.030435	30	.021121	.055183	30	.015325	.037939
29	.019481	.049916	31	.030210	.085393	31	.022816	.060755
30	.028211	.078126	32	.041022	.126116	32	.032250	.093005
31	.038760	.116887	33	.052914	.179329	33	.043300	.136305
32	.050559	.167445	34	.064865	.244194	34	.055252	.191557
33	.062645	.230091	35	.075600	.319794	35	.067031	.258588
34	.073769	.303859	36	.083802	.403595	36	.077344	.335932
35	.082590	.386449	37	.088374	.491969	37	.084901	.420833
36	.087953	.474391	38	.088681	.580651	38	.088682	.509515
37	.089087	.563478	39	.084691	.665342	39	.088157	.597672
38	.085874	.649352	40	.076981	.742323	40	.083410	.681083
39	.078779	.728131	41	.066601	.808925	41	.075116	.756199
40	.068786	.796917	42	.054843	.863768	42	.064385	.820584
41	.057166	.854084	43	.042979	.906747	43	.052522	.873106
42	.045219	.899302	44	.032050	.938797	44	.040769	.913875
43	.034041	.933343	45	.022737	.961534	45	.030106	.943981
44	.024384	.957728	46	.015342	.976876	46	.021145	.965126
45	.016617	.974345	47	.009842	.986718	47	.014120	.979245
46	.010771	.985116	48	.006000	.992718	48	.008961	.988206
47	.006637	.991753	49	.003475	.996193	49	.005402	.993608
48	.003887	.995640	50	.001911	.998103	50	.003091	.996699
49	.002162	.997802	51	.000997	.999100	51	.001679	.998378
50	.001142	.998944	52	.000493	.999593	52	.000864	.999242
51	.000572	.999517	53	.000231	.999824	53	.000421	.999663
52	.000272	.999789	54	.000102	.999926	54	.000194	.999858
53	.000122	.999911	55	.000043	.999969	55	.000085	.999942
54	.000052	.999963	56	.000017	.999986	56	.000035	.999977
55	.000021	.999984	57	.000006	.999992	57	.000014	.999991
56	.000008	.999992	58	.000002	.999995	58	.000005	.999996
57	.000003	.999995	59	.000001	.999995	59	.000002	.999998
58	.000001	.999996	60	.000000	.999995	60	.000001	.999998
59	.000000	.999996	61	.000000	.999996	61	.000000	.999999

n=
80

50-100 BINOMIAL TABLES

p=.49

x	Individual Term	Cumulative (x or less)
18	.000001	.000001
19	.000002	.000003
20	.000006	.000010
21	.000018	.000027
22	.000045	.000072
23	.000110	.000182
24	.000250	.000433
25	.000539	.000972
26	.001096	.002067
27	.002105	.004173
28	.003829	.008002
29	.006596	.014598
30	.010774	.025372
31	.016696	.042069
32	.024563	.066632
33	.034328	.100960
34	.045592	.146551
35	.057571	.204122
36	.069141	.273264
37	.078998	.352262
38	.085887	.438118
39	.088866	.527015
40	.087516	.614530
41	.082033	.696563
42	.073186	.769750
43	.062110	.831889
44	.050205	.882094
45	.038589	.920683
46	.028210	.948893
47	.019607	.968499
48	.012951	.981450
49	.008126	.989576
50	.004841	.994417
51	.002736	.997153
52	.001466	.998619
53	.000744	.999363
54	.000357	.999720
55	.000162	.999883
56	.000070	.999952
57	.000028	.999980
58	.000011	.999991
59	.000004	.999995
60	.000001	.999996
61	.000000	.999997

p=.50

x	Individual Term	Cumulative (x or less)
18	.000000	.000000
19	.000001	.000001
20	.000003	.000004
21	.000008	.000013
22	.000022	.000035
23	.000057	.000092
24	.000134	.000226
25	.000301	.000526
26	.000636	.001162
27	.001272	.002434
28	.002407	.004841
29	.004317	.009158
30	.007338	.016496
31	.011836	.028332
32	.018124	.046456
33	.026362	.072818
34	.036441	.109259
35	.047894	.157153
36	.059808	.217021
37	.071194	.288216
38	.080562	.368777
39	.086759	.455536
40	.088928	.544464
41	.086759	.631223
42	.080562	.711785
43	.071194	.782979
44	.059808	.842847
45	.047894	.890741
46	.036441	.927133
47	.026362	.953545
48	.018124	.971668
49	.011836	.983504
50	.007338	.990842
51	.004317	.995159
52	.002407	.997566
53	.001272	.998838
54	.000636	.999474
55	.000301	.999775
56	.000134	.999909
57	.000057	.999965
58	.000022	.999988
59	.000008	.999996
60	.000003	.999999
61	.000001	1.000001
62	.000000	1.000001

50-100 BINOMIAL TABLES

n= 85

p=.01

x	Individual Term	Cumulative (x or less)
0	.425590	.425590
1	.365406	.790996
2	.155021	.946016
3	.043322	.989339
4	.008971	.998310
5	.001468	.999777
6	.000198	.999975
7	.000023	.999998
8	.000002	1.000000
9	.000000	1.000001

p=.02

x	Individual Term	Cumulative (x or less)
0	.179563	.179563
1	.311487	.491049
2	.266988	.758038
3	.150749	.908786
4	.063068	.971855
5	.020851	.992706
6	.005674	.998380
7	.001307	.999686
8	.000260	.999946
9	.000045	.999992
10	.000007	.999999
11	.000001	1.000000
12	.000000	1.000000

p=.03

x	Individual Term	Cumulative (x or less)
0	.075093	.075093
1	.197409	.272501
2	.256428	.528929
3	.219417	.748346
4	.139115	.887461
5	.069701	.957162
6	.028743	.985905
7	.010032	.995937
8	.003025	.998963
9	.000800	.999763
10	.000188	.999951
11	.000040	.999991
12	.000008	.999999
13	.000001	1.000000
14	.000000	1.000001

p=.04

x	Individual Term	Cumulative (x or less)
0	.031121	.031121
1	.110221	.141342
2	.192886	.334227
3	.222355	.556582
4	.189928	.746510
5	.128201	.874711
6	.071223	.945934
7	.033192	.979126
8	.013606	.993032
9	.004850	.997882
10	.001536	.999418
11	.000436	.999854
12	.000112	.999966
13	.000026	.999992
14	.000006	.999998
15	.000001	.999999
16	.000000	.999999

p=.05

x	Individual Term	Cumulative (x or less)
0	.012779	.012779
1	.057170	.069950
2	.126377	.196327
3	.184022	.380349
4	.198550	.578899
5	.169290	.748190
6	.118800	.866990
7	.070566	.937555
8	.036211	.973767
9	.016306	.990072
10	.006522	.996595
11	.002341	.998935
12	.000760	.999695
13	.000225	.999919
14	.000061	.999980
15	.000015	.999995
16	.000003	.999999
17	.000001	.999999
18	.000000	.999999

p=.06

x	Individual Term	Cumulative (x or less)
0	.005198	.005198
1	.028204	.033402
2	.075611	.109013
3	.133525	.242538
4	.174719	.417257
5	.180667	.597924
6	.153759	.751683
7	.110763	.862445
8	.068932	.931377
9	.037644	.969021
10	.018261	.987282
11	.007947	.995229
12	.003128	.998357
13	.001121	.999479
14	.000368	.999847
15	.000111	.999958
16	.000031	.999989
17	.000008	.999997
18	.000002	.999999
19	.000000	.999999

n-
85

50-100 BINOMIAL TABLES

p=.07

x	Individual Term	Cumulative (x or less)
0	.002094	.002094
1	.013399	.015494
2	.042359	.057853
3	.088211	.146064
4	.136110	.282174
5	.165966	.448140
6	.166561	.614701
7	.141487	.756188
8	.103833	.860021
9	.066865	.926887
10	.038250	.965136
11	.019630	.984766
12	.009111	.993877
13	.003851	.997728
14	.001491	.999219
15	.000531	.999750
16	.000175	.999925
17	.000053	.999978
18	.000015	.999994
19	.000004	.999998
20	.000001	.999999
21	.000000	.999999

p=.08

x	Individual Term	Cumulative (x or less)
0	.000836	.000836
1	.006176	.007011
2	.022555	.029566
3	.054262	.083828
4	.096728	.180556
5	.136261	.316817
6	.157983	.474800
7	.155039	.629840
8	.131446	.761286
9	.097791	.859077
10	.064627	.923704
11	.038316	.962021
12	.020547	.982567
13	.010033	.992600
14	.004487	.997087
15	.001847	.998933
16	.000703	.999636
17	.000248	.999884
18	.000081	.999965
19	.000025	.999990
20	.000007	.999997
21	.000002	.999999
22	.000000	1.000000

p=.09

x	Individual Term	Cumulative (x or less)
0	.000330	.000330
1	.002774	.003104
2	.011524	.014628
3	.031532	.046159
4	.063930	.110089
5	.102428	.212517
6	.135070	.347586
7	.150760	.498347
8	.145376	.643723
9	.123011	.766733
10	.092461	.859194
11	.062349	.921542
12	.038026	.959568
13	.021118	.980687
14	.010741	.991428
15	.005028	.996456
16	.002176	.998632
17	.000873	.999506
18	.000326	.999832
19	.000114	.999994
20	.000037	.999998
21	.000011	.999999
22	.000003	.999998
23	.000001	.999999
24	.000000	.999999

50-100 BINOMIAL TABLES

n= 85

p=.10

p=.11

p=.12

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
0	.000129	.000129	0	.000050	.000050	0	.000019	.000019
1	.001218	.001347	1	.000524	.000574	1	.000221	.000240
2	.005686	.007033	2	.002722	.003296	2	.001268	.001508
3	.017479	.024512	3	.009306	.012602	3	.004784	.006292
4	.039813	.064325	4	.023580	.036182	4	.013372	.019664
5	.071663	.135988	5	.047213	.083395	5	.029540	.049204
6	.106167	.242155	6	.077803	.161198	6	.053709	.102914
7	.133130	.375285	7	.108525	.269723	7	.082657	.185570
8	.144224	.519509	8	.130779	.400502	8	.109896	.295466
9	.137102	.656612	9	.138289	.538791	9	.128212	.423678
10	.115775	.772387	10	.129899	.668690	10	.132874	.556552
11	.087708	.860095	11	.109465	.778155	11	.123540	.680092
12	.060097	.920192	12	.083431	.861586	12	.103886	.783978
13	.037496	.957688	13	.057904	.919491	13	.079549	.863527
14	.021426	.979114	14	.036806	.956297	14	.055788	.919314
15	.011269	.990383	15	.021532	.977829	15	.036008	.955323
16	.005478	.995861	16	.011643	.989472	16	.021482	.976805
17	.002470	.998331	17	.005841	.995313	17	.011890	.988695
18	.001037	.999368	18	.002727	.998040	18	.006125	.994820
19	.000406	.999774	19	.001189	.999229	19	.002945	.997765
20	.000149	.999923	20	.000485	.999713	20	.001325	.999090
21	.000051	.999974	21	.000185	.999899	21	.000559	.999650
22	.000017	.999991	22	.000067	.999966	22	.000222	.999872
23	.000005	.999996	23	.000023	.999988	23	.000083	.999955
24	.000001	.999997	24	.000007	.999995	24	.000029	.999984
25	.000000	.999998	25	.000002	.999998	25	.000010	.999994
			26	.000001	.999998	26	.000003	.999997
			27	.000000	.999998	27	.000001	.999998
						28	.000000	.999998

50-100 BINOMIAL TABLES

p=.13

x	Individual Term	Cumulative (x or less)
0	.000007	.000007
1	.000092	.000099
2	.000576	.000675
3	.002383	.003058
4	.007298	.010356
5	.017667	.028023
6	.031198	.063220
7	.059356	.122576
8	.080476	.209052
9	.110552	.319605
10	.125547	.445151
11	.127908	.573059
12	.117862	.690921
13	.098895	.789816
14	.075998	.865815
15	.053752	.919567
16	.035140	.954706
17	.021312	.976018
18	.012030	.988049
19	.006339	.994383
20	.003126	.997514
21	.001446	.998959
22	.000628	.999588
23	.000257	.999845
24	.000099	.999944
25	.000036	.999980
26	.000012	.999993
27	.000004	.999997
28	.000001	.999998
29	.000000	.999999

p=.14

x	Individual Term	Cumulative (x or less)
0	.000003	.000003
1	.000037	.000040
2	.000256	.000296
3	.001153	.001449
4	.003848	.005298
5	.010149	.015446
6	.022028	.037474
7	.040470	.077945
8	.064235	.142180
9	.089464	.231644
10	.110686	.342329
11	.122854	.465183
12	.123330	.588513
13	.112740	.701253
14	.094387	.795640
15	.072729	.868369
16	.051798	.920168
17	.034225	.954393
18	.021048	.975441
19	.012083	.987524
20	.006491	.994015
21	.003271	.997285
22	.001549	.998834
23	.000691	.999525
24	.000290	.999815
25	.000115	.999931
26	.000043	.999974
27	.000015	.999989
28	.000005	.999995
29	.000002	.999996
30	.000001	.999997
31	.000000	.999997

p=.15

x	Individual Term	Cumulative (x or less)
0	.000001	.000001
1	.000015	.000016
2	.000111	.000127
3	.000544	.000671
4	.001966	.002637
5	.005622	.008259
6	.013227	.021486
7	.026344	.047830
8	.045327	.093157
9	.068434	.161591
10	.091783	.253374
11	.110434	.363808
12	.120178	.483985
13	.119090	.603076
14	.108082	.711157
15	.090280	.801438
16	.069702	.871139
17	.049925	.921064
18	.032823	.954347
19	.020712	.975059
20	.012062	.987120
21	.006588	.993709
22	.003382	.997091
23	.001635	.998726
24	.000745	.999471
25	.000321	.999792
26	.000131	.999923
27	.000050	.999973
28	.000018	.999991
29	.000006	.999998
30	.000002	1.000000
31	.000001	1.000001

50-100 BINOMIAL TABLES

n=85

p=.16

p=.17

p=.18

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
0	.000000	.000000	1	.000002	.000002	1	.000001	.000001
1	.000006	.000006	2	.000020	.000022	2	.000008	.000009
2	.000047	.000054	3	.000112	.000135	3	.000049	.000058
3	.000250	.000304	4	.000472	.000606	4	.000222	.000280
4	.000976	.001280	5	.001565	.002171	5	.000790	.001070
5	.003012	.004292	6	.004273	.006443	6	.002311	.003381
6	.007649	.011941	7	.009876	.016320	7	.005725	.009105
7	.016443	.028384	8	.019723	.036042	8	.012252	.021358
8	.030537	.058921	9	.034561	.070604	9	.023010	.044368
9	.049765	.108686	10	.053799	.124403	10	.038388	.082755
10	.072040	.180726	11	.075130	.199533	11	.057454	.140209
11	.093559	.274285	12	.094893	.294426	12	.077773	.217982
12	.109894	.384179	13	.109140	.403566	13	.095866	.313849
13	.117543	.501722	14	.114964	.518530	14	.108225	.422074
14	.115144	.616866	15	.111455	.629985	15	.112449	.534523
15	.103812	.720678	16	.099873	.729857	16	.107992	.642515
16	.086510	.807188	17	.083027	.812884	17	.096217	.738731
17	.066882	.874070	18	.064243	.877127	18	.079789	.818521
18	.048127	.922196	19	.046400	.923527	19	.061763	.804028
19	.032326	.954522	20	.031362	.954889	20	.044740	.925023
20	.020319	.974841	21	.019882	.974771	21	.030398	.955422
21	.011979	.986820	22	.011847	.986618	22	.019412	.974833
22	.006638	.993458	23	.006616	.993264	23	.011672	.986505
23	.003463	.996922	24	.003517	.996781	24	.006619	.993124
24	.001704	.998626	25	.001757	.998538	25	.003545	.996669
25	.000792	.999413	26	.000831	.999369	26	.001796	.998465
26	.000348	.999766	27	.000372	.999741	27	.000861	.999326
27	.000145	.999911	28	.000158	.999898	28	.000392	.999718
28	.000057	.999968	29	.000064	.999962	29	.000169	.999887
29	.000021	.999989	30	.000024	.999986	30	.000069	.999956
30	.000008	.999997	31	.000009	.999995	31	.000027	.999983
31	.000003	.999999	32	.000003	.999998	32	.000010	.999993
32	.000001	1.000000	33	.000001	.999999	33	.000004	.999997
			34	.000000	.999999	34	.000001	.999998
						35	.000000	.999998

50-100 BINOMIAL TABLES

p=.19

x	Individual Term	Cumulative (x or less)
2	.000003	.000004
3	.000021	.000025
4	.000102	.000127
5	.000388	.000515
6	.001212	.001727
7	.003210	.004937
8	.007341	.012277
9	.014732	.027009
10	.026263	.053272
11	.042003	.095275
12	.060757	.156032
13	.080028	.236060
14	.096542	.332602
15	.107190	.439792
16	.110002	.549793
17	.104729	.654522
18	.092805	.747328
19	.076765	.824093
20	.059422	.883514
21	.043143	.926657
22	.029440	.956097
23	.018915	.975012
24	.011462	.986474
25	.006560	.993034
26	.003551	.996586
27	.001820	.998406
28	.000884	.999290
29	.000408	.999698
30	.000179	.999876
31	.000074	.999951
32	.000029	.999980
33	.000011	.999991
34	.000004	.999995
35	.000001	.999997
36	.000000	.999997

p=.20

x	Individual Term	Cumulative (x or less)
2	.000001	.000001
3	.000009	.000010
4	.000046	.000056
5	.000185	.000242
6	.000618	.000860
7	.001744	.002604
8	.004251	.006855
9	.009093	.015949
10	.017277	.033226
11	.029450	.062676
12	.045402	.108078
13	.063738	.171816
14	.081948	.253764
15	.096972	.350736
16	.106063	.456799
17	.107623	.564422
18	.101644	.666066
19	.089607	.755673
20	.073926	.829599
21	.057205	.836804
22	.041603	.928407
23	.028489	.956896
24	.018399	.975295
25	.011224	.986519
26	.006475	.992994
27	.003537	.996531
28	.001832	.998363
29	.000900	.999263
30	.000420	.999683
31	.000186	.999870
32	.000079	.999948
33	.000032	.999980
34	.000012	.999992
35	.000004	.999996
36	.000002	.999998
37	.000001	.999998
38	.000000	.999999

p=.21

x	Individual Term	Cumulative (x or less)
2	.000001	.000001
3	.000004	.000004
4	.000020	.000024
5	.000087	.000111
6	.000307	.000418
7	.000920	.001338
8	.002385	.003722
9	.005423	.009145
10	.010956	.020101
11	.019857	.039958
12	.032550	.072509
13	.048588	.121097
14	.066424	.187520
15	.083576	.271097
16	.097197	.368294
17	.104869	.473163
18	.105311	.578474
19	.098716	.677191
20	.086595	.763786
21	.071249	.835035
22	.055097	.890132
23	.040118	.930250
24	.027549	.957799
25	.017869	.975668
26	.010901	.986629
27	.006367	.992996
28	.003506	.996502
29	.001832	.998334
30	.000909	.999243
31	.000429	.999671
32	.000192	.999864
33	.000082	.999946
34	.000033	.999979
35	.000013	.999992
36	.000005	.999997
37	.000002	.999999
38	.000001	.999999
39	.000000	.999999

50-100 BINOMIAL TABLES

n=

85

p=.22

p=.23

p=.24

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
2	.000000	.000000	3	.000001	.000001	3	.000000	.000000
3	.000001	.000002	4	.000004	.000004	4	.000001	.000002
4	.000009	.000010	5	.000018	.000022	5	.000008	.000009
5	.000039	.000050	6	.000070	.000092	6	.000032	.000041
6	.000148	.000198	7	.000235	.000327	7	.000114	.000156
7	.000472	.000670	8	.000685	.001012	8	.000352	.000508
8	.001297	.001967	9	.001752	.002764	9	.000951	.001459
9	.003130	.005097	10	.003977	.006741	10	.002283	.003743
10	.006710	.011808	11	.008099	.014839	11	.004916	.008659
11	.012905	.024712	12	.014918	.029757	12	.009574	.018232
12	.022445	.047158	13	.025022	.054779	13	.016977	.035209
13	.035549	.082707	14	.038438	.093217	14	.027571	.062780
14	.051566	.134273	15	.054346	.147563	15	.041211	.103991
15	.068843	.203117	16	.071020	.218583	16	.056937	.160928
16	.084951	.288067	17	.086103	.304686	17	.072978	.233906
17	.097251	.385318	18	.097161	.401847	18	.087061	.320968
18	.103624	.488942	19	.102341	.504188	19	.096949	.417917
19	.103064	.592006	20	.100879	.605067	20	.101031	.518948
20	.095929	.687935	21	.093268	.698335	21	.098752	.617700
21	.083748	.771682	22	.081045	.779380	22	.090720	.708420
22	.068716	.840398	23	.066310	.856960	23	.078472	.786892
23	.053088	.893486	24	.051167	.896857	24	.064016	.850908
24	.038682	.932168	25	.037292	.934150	25	.049326	.900234
25	.026621	.958789	26	.025706	.959856	26	.035946	.936180
26	.017327	.976117	27	.016779	.976635	27	.024805	.960985
27	.010679	.986796	28	.010382	.987017	28	.016226	.977211
28	.006239	.993035	29	.006095	.993112	29	.010071	.987282
29	.003459	.996494	30	.003398	.996510	30	.005937	.993219
30	.001821	.998315	31	.001801	.998311	31	.003326	.996545
31	.000911	.999227	32	.000908	.999219	32	.001772	.998318
32	.000434	.999661	33	.000436	.999654	33	.000899	.999217
33	.000196	.999857	34	.000199	.999853	34	.000434	.999651
34	.000085	.999942	35	.000087	.999940	35	.000200	.999851
35	.000035	.999977	36	.000036	.999976	36	.000088	.999938
36	.000014	.999990	37	.000014	.999990	37	.000037	.999975
37	.000005	.999995	38	.000005	.999996	38	.000015	.999990
38	.000002	.999997	39	.000002	.999997	39	.000006	.999995
39	.000001	.999998	40	.000001	.999998	40	.000002	.999997
40	.000000	.999998	41	.000000	.999998	41	.000001	.999998
						42	.000000	.999998

n-
85

50-100 BINOMIAL TABLES

p=.25

x	Individual Term	Cumulative (x or less)
4	.000001	.000001
5	.000003	.000004
6	.000014	.000018
7	.000054	.000073
8	.000176	.000249
9	.000502	.000751
10	.001272	.002022
11	.002890	.004913
12	.005942	.010854
13	.011121	.021976
14	.019065	.041041
15	.030081	.071121
16	.043867	.114989
17	.059350	.174339
18	.074737	.249076
19	.087849	.336925
20	.096634	.433558
21	.099701	.533260
22	.096680	.629940
23	.088273	.718213
24	.076013	.794226
25	.061824	.856050
26	.047557	.903607
27	.034640	.938247
28	.023918	.962166
29	.015671	.977836
30	.009751	.987587
31	.005760	.993353
32	.003244	.996597
33	.001736	.998333
34	.000885	.999219
35	.000430	.999649
36	.000199	.999848
37	.000088	.999936
38	.000037	.999973
39	.000015	.999988
40	.000006	.999993
41	.000002	.999995
42	.000001	.999996
43	.000000	.999996

p=.26

x	Individual Term	Cumulative (x or less)
4	.000000	.000000
5	.000001	.000002
6	.000006	.000008
7	.000025	.000033
8	.000086	.000119
9	.000258	.000376
10	.000688	.001064
11	.001648	.002712
12	.003571	.006283
13	.007045	.013327
14	.012729	.026057
15	.021170	.047227
16	.032542	.079768
17	.046407	.126175
18	.061597	.187772
19	.076317	.264089
20	.08486	.352575
21	.096230	.448805
22	.098358	.547164
23	.094660	.641823
24	.085919	.727742
25	.073658	.801399
26	.059722	.861122
27	.045853	.906975
28	.033372	.940347
29	.023046	.963393
30	.015115	.978508
31	.009422	.987930
32	.005586	.993516
33	.003152	.996669
34	.001694	.998363
35	.000867	.999230
36	.000423	.999653
37	.000197	.999850
38	.000087	.999937
39	.000037	.999974
40	.000015	.999989
41	.000006	.999995
42	.000002	.999997
43	.000001	.999998
44	.000000	.999998

p=.27

x	Individual Term	Cumulative (x or less)
5	.000001	.000001
6	.000003	.000003
7	.000011	.000015
8	.000041	.000055
9	.000129	.000184
10	.000362	.000546
11	.000912	.001458
12	.002080	.003538
13	.004320	.007858
14	.008218	.016075
15	.014386	.030462
16	.023279	.053741
17	.034947	.088689
18	.068830	.137519
19	.063687	.201206
20	.077733	.278940
21	.088990	.367930
22	.095750	.463680
23	.097005	.560685
24	.092686	.653371
25	.083646	.737017
26	.071394	.808412
27	.057702	.866114
28	.044208	.910323
29	.032138	.942461
30	.022189	.964650
31	.014560	.979210
32	.009088	.988298
33	.005398	.993696
34	.003054	.996750
35	.001646	.998396
36	.000845	.999241
37	.000414	.999655
38	.000193	.999849
39	.000086	.999935
40	.000037	.999971
41	.000015	.999986
42	.000006	.999992
43	.000002	.999994
44	.000001	.999995
45	.000000	.999995

50-100 BINOMIAL TABLES

n-
85

p=.28

p=.29

p=.30

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
5	.000000	.000000	6	.000000	.000001	6	.000000	.000000
6	.000001	.000001	7	.000002	.000003	7	.000001	.000001
7	.000005	.000006	8	.000008	.000011	8	.000004	.000005
8	.000019	.000025	9	.000030	.000041	9	.000014	.000019
9	.000063	.000088	10	.000092	.000133	10	.000045	.000063
10	.000185	.000273	11	.000256	.000389	11	.000130	.000193
11	.000490	.000763	12	.000645	.001034	12	.000344	.000537
12	.001176	.001939	13	.001480	.002514	13	.000828	.001366
13	.002568	.004506	14	.003109	.005624	14	.001826	.003191
14	.005135	.009641	15	.006011	.011635	15	.003703	.006894
15	.009452	.019094	16	.010742	.022376	16	.006944	.013838
16	.016082	.031576	17	.017808	.040184	17	.012078	.025916
17	.025385	.060561	18	.027478	.067662	18	.019555	.045471
18	.037294	.097854	19	.039577	.107240	19	.029553	.075025
19	.051142	.148997	20	.053346	.160586	20	.041797	.116822
20	.065633	.214629	21	.067443	.228028	21	.055445	.172267
21	.079002	.293632	22	.080137	.308165	22	.069126	.241393
22	.089376	.383008	23	.089657	.397822	23	.081148	.322541
23	.095205	.478213	24	.094003	.492424	24	.089843	.412383
24	.095646	.573859	25	.094283	.586707	25	.093950	.506333
25	.090757	.664617	26	.088869	.675576	26	.092917	.599250
26	.081449	.746066	27	.079319	.751896	27	.087018	.686268
27	.069215	.815280	28	.067110	.822006	28	.077250	.763518
28	.055756	.871037	29	.053877	.875883	29	.065073	.828591
29	.042618	.913655	30	.041078	.916961	30	.052058	.880650
30	.030938	.944593	31	.029768	.946729	31	.039584	.920233
31	.021346	.965939	32	.020518	.967247	32	.028627	.948861
32	.014008	.979947	33	.013460	.980707	33	.019705	.968565
33	.008749	.988697	34	.008408	.989115	34	.012916	.981481
34	.005204	.993900	35	.005004	.994119	35	.008066	.989547
35	.002949	.996849	36	.002839	.996958	36	.004801	.994348
36	.001593	.998442	37	.001536	.998494	37	.002725	.997073
37	.000820	.999262	38	.000792	.999286	38	.001475	.998548
38	.000403	.999665	39	.000390	.999676	39	.000762	.999310
39	.000189	.999854	40	.000183	.999859	40	.000375	.999685
40	.000084	.999938	41	.000082	.999941	41	.000177	.999862
41	.000036	.999974	42	.000035	.999976	42	.000079	.999941
42	.000015	.999989	43	.000014	.999991	43	.000034	.999975
43	.000006	.999995	44	.000006	.999996	44	.000014	.999989
44	.000002	.999997	45	.000002	.999999	45	.000005	.999994
45	.000001	.999998	46	.000001	.999999	46	.000002	.999996
46	.000000	.999998	47	.000000	1.000000	47	.000001	.999997
						48	.000000	.999997

p=.31

p=.32

p=.33

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
8	.000002	.000002	8	.000001	.000001	9	.000001	.000001
9	.000006	.000008	9	.000003	.000004	10	.000004	.000006
10	.000021	.000029	10	.000010	.000013	11	.000015	.000020
11	.000064	.000094	11	.000031	.000044	12	.000044	.000064
12	.000178	.000272	12	.000090	.000134	13	.000122	.000187
13	.000450	.000722	13	.000238	.000372	14	.000309	.000496
14	.001040	.001762	14	.000575	.000947	15	.000721	.001217
15	.002212	.003974	15	.001282	.002229	16	.001553	.002770
16	.004348	.008322	16	.002639	.004868	17	.003105	.005875
17	.007928	.016250	17	.005040	.009908	18	.005778	.011653
18	.013456	.029706	18	.008960	.018868	19	.010035	.021689
19	.021318	.051024	19	.014869	.033736	20	.061311	.038000
20	.031606	.082630	20	.023090	.056827	21	.024867	.062867
21	.043952	.126582	21	.033633	.090459	22	.035630	.098497
22	.057445	.184026	22	.046043	.136502	23	.048070	.146566
23	.070693	.254719	23	.059349	.195851	24	.061163	.207730
24	.082048	.336767	24	.072150	.268001	25	.073505	.281235
25	.089943	.426710	25	.082845	.350846	26	.083548	.364783
26	.093252	.519962	26	.089967	.440813	27	.089921	.454704
27	.091550	.611513	27	.092515	.533328	28	.091743	.546446
28	.085201	.696714	28	.090183	.623511	29	.088815	.635262
29	.075237	.771951	29	.083415	.706926	30	.081657	.716919
30	.063097	.835048	30	.073274	.730200	31	.071356	.783275
31	.050295	.885343	31	.061178	.841378	32	.059308	.847584
32	.038131	.923175	32	.048582	.889960	33	.046916	.894499
33	.027514	.950989	33	.036718	.926678	34	.035341	.929840
34	.018906	.969895	34	.026427	.953105	35	.025364	.955205
35	.012377	.982271	35	.018121	.971226	36	.017351	.972556
36	.007723	.989994	36	.011844	.983070	37	.011318	.983874
37	.004595	.994589	37	.007381	.990451	38	.007041	.990915
38	.002608	.997197	38	.004388	.994839	39	.004180	.995095
39	.001412	.998609	39	.002488	.997327	40	.002367	.997462
40	.000729	.999339	40	.001347	.998074	41	.001280	.998742
41	.000360	.999698	41	.000696	.999369	42	.000660	.999402
42	.000169	.999868	42	.000343	.999712	43	.000325	.999728
43	.000076	.999944	43	.000161	.999874	44	.000153	.999880
44	.000033	.999976	44	.000072	.999946	45	.000069	.999949
45	.000013	.999990	45	.000031	.999977	46	.000029	.999978
46	.000005	.999995	46	.000013	.999990	47	.000012	.999990
47	.000002	.999997	47	.000005	.999995	48	.000005	.999995
48	.000001	.999997	48	.000002	.999997	49	.000002	.999997
49	.000000	.999998	49	.000001	.999998	50	.000001	.999997
			50	.000000	.999998	51	.000000	.999998

50-100 BINOMIAL TABLES

n=

85

p=.34

p=.35

p=.36

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
9	.000000	.000001	10	.000001	.000001	10	.000000	.000000
10	.000002	.000003	11	.000003	.000004	11	.000001	.000002
11	.000007	.000009	12	.000010	.000014	12	.000004	.000006
12	.000021	.000030	13	.000030	.000043	13	.000014	.000020
13	.000061	.000091	14	.000082	.000125	14	.000040	.000061
14	.000161	.000253	15	.000209	.000334	15	.000108	.000168
15	.000394	.000646	16	.000492	.000826	16	.000265	.000433
16	.000887	.001534	17	.001075	.001902	17	.000605	.001038
17	.001855	.003389	18	.002187	.004089	18	.001285	.002323
18	.003611	.006999	19	.004153	.008242	19	.002550	.004873
19	.006559	.013558	20	.007380	.015623	20	.004733	.009605
20	.011150	.024709	21	.012301	.027923	21	.008240	.017845
21	.017779	.042488	22	.019268	.047191	22	.013483	.031328
22	.026644	.069132	23	.028419	.075610	23	.020774	.052103
23	.037597	.106729	24	.039531	.115141	24	.030188	.082291
24	.050034	.156763	25	.051938	.167079	25	.041433	.123723
25	.062891	.219654	26	.064538	.231616	26	.053783	.177506
26	.074766	.294420	27	.075938	.307554	27	.066108	.243614
27	.084164	.378584	28	.084700	.392254	28	.077028	.320662
28	.089812	.468396	29	.089642	.481896	29	.085162	.405804
29	.090938	.559334	30	.090102	.571998	30	.089420	.495225
30	.087447	.646781	31	.086078	.658076	31	.089240	.584465
31	.079925	.726705	32	.078215	.736291	32	.084708	.669173
32	.069480	.796186	33	.067640	.803931	33	.076526	.745699
33	.057485	.853671	34	.055704	.859635	34	.065835	.811534
34	.045292	.889862	35	.043706	.903341	35	.053961	.865496
35	.033998	.932960	36	.032686	.936028	36	.042157	.907653
36	.024325	.957286	37	.023308	.959336	37	.031404	.939057
37	.016595	.973881	38	.015854	.975189	38	.022314	.961371
38	.010799	.984680	39	.010288	.985477	39	.015126	.976497
39	.006704	.991384	40	.006370	.991847	40	.009785	.986281
40	.003972	.995356	41	.003765	.995612	41	.006041	.992322
41	.002246	.997601	42	.002124	.997736	42	.003560	.995882
42	.001212	.998813	43	.001144	.998880	43	.002002	.997884
43	.000624	.999438	44	.000588	.999468	44	.001075	.998960
44	.000307	.999745	45	.000288	.999756	45	.000551	.999511
45	.000114	.999889	46	.000135	.999891	46	.000270	.999780
46	.000065	.999953	47	.000060	.999951	47	.000126	.999906
47	.000028	.999981	48	.000026	.999977	48	.000056	.999962
48	.000011	.999992	49	.000010	.999987	49	.000024	.999986
49	.000004	.999997	50	.000004	.999992	50	.000010	.999995
50	.000002	.999998	51	.000001	.999993	51	.000004	.999999
51	.000001	.999999	52	.000001	.999994	52	.000001	1.000001
52	.000000	.999999	53	.000000	.999994	53	.000000	1.000001

p=.37

x	Individual Term	Cumulative (x or less)
11	.000001	.000001
12	.000002	.000003
13	.000006	.000009
14	.000019	.000028
15	.000054	.000082
16	.000139	.000221
17	.000330	.000551
18	.000733	.001284
19	.001518	.002802
20	.002941	.005743
21	.005347	.011089
22	.009135	.020224
23	.014695	.034919
24	.022295	.057214
25	.031949	.089163
26	.043301	.132463
27	.055571	.188034
28	.067605	.255639
29	.078039	.333678
30	.085554	.419232
31	.089146	.508379
32	.088351	.596729
33	.083336	.680065
34	.074855	.754920
35	.064059	.818979
36	.052253	.871232
37	.040641	.911873
38	.030150	.942023
39	.021339	.963362
40	.014412	.977774
41	.009290	.987064
42	.005716	.992780
43	.003357	.996137
44	.001882	.998019
45	.001007	.999026
46	.000514	.999511
47	.000251	.999791
48	.000117	.999908
49	.000052	.999960
50	.000022	.999981
51	.000009	.999990
52	.000003	.999994
53	.000001	.999995
54	.000000	.999995

p=.38

x	Individual Term	Cumulative (x or less)
11	.000000	.000000
12	.000001	.000001
13	.000003	.000004
14	.000009	.000013
15	.000026	.000039
16	.000070	.000110
17	.000175	.000285
18	.000405	.000690
19	.000876	.001566
20	.001772	.003338
21	.003362	.006700
22	.005994	.012694
23	.010063	.022757
24	.015933	.038690
25	.023827	.062517
26	.03701	.096218
27	.045136	.141354
28	.057304	.198658
29	.069032	.267690
30	.078979	.346669
31	.085883	.432552
32	.088826	.521378
33	.087437	.608815
34	.081962	.690777
35	.073199	.763976
36	.062311	.826287
37	.050577	.876863
38	.039156	.916019
39	.028922	.944941
40	.020385	.965326
41	.013713	.979039
42	.008805	.987844
43	.005397	.993241
44	.003157	.996398
45	.001763	.998161
46	.000940	.999101
47	.000478	.999579
48	.000232	.999811
49	.000107	.999918
50	.000047	.999966
51	.000020	.999986
52	.000008	.999994
53	.000003	.999997
54	.000001	.999998
55	.000000	.999998

p=.39

x	Individual Term	Cumulative (x or less)
13	.000001	.000002
14	.000004	.000006
15	.000012	.000018
16	.000035	.000053
17	.000090	.000143
18	.000218	.000361
19	.000491	.000851
20	.001035	.001887
21	.002049	.003936
22	.003811	.007746
23	.006673	.014420
24	.011022	.025442
25	.017194	.042636
26	.025369	.068005
27	.035442	.103447
28	.046938	.150385
29	.058985	.209370
30	.070395	.279765
31	.079850	.359615
32	.086150	.445765
33	.088461	.534225
34	.086499	.620724
35	.080584	.701308
36	.071557	.772865
37	.060587	.833451
38	.048930	.882381
39	.037700	.920081
40	.027719	.947799
41	.019451	.967250
42	.013028	.980278
43	.008329	.988607
44	.005083	.993690
45	.002961	.996651
46	.001646	.998298
47	.000873	.999171
48	.000442	.999613
49	.000213	.999826
50	.000098	.999925
51	.000043	.999968
52	.000018	.999986
53	.000007	.999993
54	.000003	.999996
55	.000001	.999997
56	.000000	.999997

50-100 BINOMIAL TABLES

n-
85

p=.40

p=.41

p=.42

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
13	.000001	.000001	14	.000001	.000001	14	.000000	.000000
14	.000002	.000003	15	.000003	.000004	15	.000001	.000002
15	.000006	.000008	16	.000008	.000011	16	.000004	.000005
16	.000017	.000025	17	.000022	.000033	17	.000010	.000015
17	.000045	.000070	18	.000057	.000091	18	.000028	.000044
18	.000113	.000183	19	.000141	.000231	19	.000072	.000115
19	.000267	.000450	20	.000322	.000554	20	.000172	.000287
20	.000587	.001037	21	.000693	.001247	21	.000385	.000672
21	.001211	.002247	22	.001402	.002649	22	.000811	.001684
22	.002348	.004595	23	.002668	.005317	23	.001609	.003093
23	.004287	.008882	24	.004790	.010108	24	.003011	.006104
24	.007383	.016266	25	.008123	.018231	25	.005320	.011424
25	.012010	.028276	26	.013026	.031256	26	.008890	.020314
26	.018477	.046753	27	.019780	.051037	27	.014067	.034381
27	.026918	.073671	28	.028473	.079509	28	.021101	.055481
28	.037172	.110843	29	.038890	.118399	29	.030032	.085514
29	.048708	.159552	30	.050447	.168846	30	.040596	.126109
30	.060615	.220167	31	.062197	.231043	31	.052156	.178265
31	.071695	.291862	32	.072936	.303980	32	.063733	.241998
32	.080657	.372519	33	.081403	.385383	33	.074122	.316120
33	.086360	.458879	34	.086516	.471898	34	.082091	.398211
34	.088053	.54932	35	.087605	.559503	35	.086620	.484831
35	.085538	.632470	36	.084553	.644056	36	.087118	.571949
36	.079201	.711671	37	.077813	.721869	37	.083545	.655495
37	.069926	.781597	38	.068304	.790173	38	.076419	.731914
38	.058885	.840481	39	.057202	.847375	39	.066689	.798603
39	.047309	.887790	40	.045713	.893088	40	.055536	.854139
40	.036270	.924061	41	.034866	.927953	41	.044139	.898278
41	.026539	.950600	42	.025382	.953336	42	.033485	.931763
42	.018535	.969135	43	.017639	.970975	43	.024248	.956011
43	.012357	.981492	44	.011700	.982675	44	.016761	.972771
44	.007863	.989356	45	.007408	.990083	45	.011058	.983830
45	.004776	.994132	46	.004476	.994559	46	.006963	.990793
46	.002769	.996901	47	.002581	.997110	47	.004184	.994977
47	.001532	.998433	48	.001420	.998560	48	.002399	.997375
48	.000808	.999241	49	.000745	.999306	49	.001312	.998687
49	.000407	.999648	50	.000373	.999679	50	.000684	.999371
50	.000195	.999843	51	.000178	.999857	51	.000340	.999711
51	.000089	.999933	52	.000081	.999937	52	.000161	.999872
52	.000039	.999972	53	.000035	.999972	53	.000073	.999945
53	.000016	.999988	54	.000014	.999987	54	.000031	.999976
54	.000006	.999994	55	.000006	.999992	55	.000013	.999988
55	.000002	.999997	56	.000002	.999994	56	.000005	.999993
56	.000001	.999998	57	.000001	.999995	57	.000002	.999995
57	.000000	.999998	58	.000000	.999995	58	.000001	.999996
						59	.000000	.999996

50-100 BINOMIAL TABLES

p=.43

x	Individual Term	Cumulative (x or less)
15	.000000	.000001
16	.000002	.000002
17	.000005	.000007
18	.000013	.000020
19	.000036	.000056
20	.000089	.000145
21	.000207	.000352
22	.000455	.000807
23	.000941	.001748
24	.001833	.003581
25	.003374	.006956
26	.005874	.012830
27	.009684	.022513
28	.015132	.037646
29	.022437	.060083
30	.031596	.091679
31	.042289	.133968
32	.053835	.187803
33	.065226	.253028
34	.075255	.328284
35	.082724	.411008
36	.086675	.497683
37	.086593	.584276
38	.082515	.666791
39	.075017	.741808
40	.065081	.806888
41	.053886	.860774
42	.042586	.903360
43	.032127	.935487
44	.023134	.958621
45	.015901	.974522
46	.010431	.984952
47	.006529	.991482
48	.003900	.995381
49	.002221	.997603
50	.001207	.998809
51	.000625	.999434
52	.000308	.999712
53	.000115	.999886
54	.000065	.999951
55	.000028	.999979
56	.000011	.999990
57	.000004	.999994
58	.000002	.999996
59	.000001	.999996
60	.000000	.999996

p=.44

x	Individual Term	Cumulative (x or less)
15	.000000	.000000
16	.000001	.000001
17	.000002	.000003
18	.000006	.000009
19	.000017	.000026
20	.000045	.000071
21	.000108	.000179
22	.000248	.000427
23	.000533	.000959
24	.001081	.002041
25	.002073	.004114
26	.003759	.007872
27	.006453	.014325
28	.010503	.024828
29	.016220	.041048
30	.023789	.064838
31	.033163	.098000
32	.043970	.14970
33	.055486	.197456
34	.066676	.264133
35	.076338	.340470
36	.083305	.423775
37	.086682	.510458
38	.086030	.596488
39	.081461	.677949
40	.073606	.751555
41	.063475	.815031
42	.052249	.867279
43	.041052	.908331
44	.030789	.939121
45	.022041	.961162
46	.015059	.976221
47	.009818	.986039
48	.006107	.992147
49	.003623	.995770
50	.002050	.997820
51	.001105	.998925
52	.000568	.999493
53	.000278	.999771
54	.000129	.999900
55	.000057	.999957
56	.000024	.999981
57	.000010	.999991
58	.000004	.999995
59	.000001	.999996
60	.000000	.999996

p=.45

x	Individual Term	Cumulative (x or less)
17	.000001	.000001
18	.000003	.000004
19	.000008	.000012
20	.000022	.000034
21	.000055	.000088
22	.000130	.000219
23	.000292	.000511
24	.000618	.001129
25	.001233	.002362
26	.002329	.004691
27	.004163	.008854
28	.007056	.015910
29	.011347	.027256
30	.017329	.044586
31	.025156	.069741
32	.034732	.104473
33	.045639	.150113
34	.057110	.207223
35	.068087	.275311
36	.077372	.352683
37	.083836	.436518
38	.086644	.523162
39	.085432	.608594
40	.080383	.688977
41	.072185	.761162
42	.061873	.823034
43	.050623	.873657
44	.039536	.913194
45	.029172	.942666
46	.020969	.963635
47	.014236	.977870
48	.009221	.987091
49	.005697	.992788
50	.003356	.996144
51	.001884	.998029
52	.001008	.999037
53	.000514	.999550
54	.000249	.999799
55	.000115	.999914
56	.000050	.999964
57	.000021	.999985
58	.000008	.999994
59	.000003	.999997
60	.000001	.999998
61	.000000	.999998

50-100 BINOMIAL TABLES

n-
85**p = .46****p = .47****p = .48**

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
17	.000000	.000001	18	.000001	.000001	18	.000000	.000000
18	.000001	.000002	19	.000002	.000002	19	.000001	.000001
19	.000004	.000005	20	.000005	.000007	20	.000002	.000003
20	.000010	.000016	21	.000013	.000020	21	.000006	.000009
21	.000027	.000042	22	.000033	.000053	22	.000016	.000025
22	.000067	.000109	23	.000080	.000133	23	.000040	.000064
23	.000155	.000264	24	.000183	.000316	24	.000095	.000159
24	.000342	.000606	25	.000390	.000712	25	.000214	.000373
25	.000710	.001317	26	.000811	.001523	26	.000456	.000829
26	.001397	.002713	27	.001571	.003094	27	.000919	.001748
27	.002600	.005313	28	.002887	.005981	28	.001757	.003505
28	.004588	.009901	29	.005031	.011012	29	.003188	.006694
29	.007681	.017582	30	.008329	.019341	30	.005494	.012188
30	.012214	.029796	31	.013104	.032444	31	.008997	.021185
31	.018459	.048255	32	.019609	.052053	32	.014015	.035201
32	.026535	.074790	33	.027928	.079982	33	.020778	.055979
33	.036304	.11094	34	.037878	.117860	34	.029334	.085312
34	.047298	.158392	35	.048495	.166805	35	.039455	.124768
35	.058709	.217101	36	.060284	.227089	36	.050584	.175351
36	.069460	.286561	37	.070798	.297887	37	.061836	.237187
37	.078360	.364921	38	.079304	.377191	38	.072101	.309288
38	.084317	.449239	39	.084753	.461944	39	.080206	.389494
39	.086559	.535798	40	.086432	.548375	40	.085142	.474637
40	.084796	.620594	41	.084125	.632500	41	.086260	.560897
41	.079281	.699875	42	.078153	.710553	42	.083417	.644314
42	.070752	.770627	43	.069306	.779959	43	.077000	.721314
43	.060270	.830897	44	.058666	.838626	44	.067846	.789160
44	.049007	.879904	45	.047400	.886026	45	.057060	.846220
45	.038036	.917940	46	.036552	.922578	46	.045801	.892021
46	.028175	.946115	47	.026896	.949674	47	.035082	.927103
47	.019916	.966031	48	.018882	.968357	48	.025637	.952739
48	.013431	.979461	49	.012644	.981001	49	.017869	.970608
49	.008639	.988100	50	.008073	.989074	50	.011876	.982484
50	.005299	.993399	51	.004913	.993987	51	.007523	.990008
51	.003098	.996497	52	.002849	.996836	52	.004541	.994548
52	.001725	.998222	53	.001573	.998409	53	.002610	.997158
53	.000915	.999137	54	.000827	.999235	54	.001428	.998586
54	.000462	.999599	55	.000413	.999649	55	.000743	.999328
55	.000222	.999821	56	.000196	.999845	56	.000367	.999696
56	.000101	.999922	57	.000089	.999934	57	.000172	.999868
57	.000044	.999966	58	.000038	.999971	58	.000077	.999945
58	.000018	.999984	59	.000015	.999987	59	.000032	.999977
59	.000007	.999991	60	.000006	.999993	60	.000013	.999990
60	.000003	.999993	61	.000002	.999995	61	.000005	.999995
61	.000001	.999994	62	.000001	.999996	62	.000002	.999997
62	.000000	.999995	63	.000000	.999996	63	.000001	.999998
						64	.000000	.999998

p=.49

x	Individual Term	Cumulative (x or less)
20	.000001	.000001
21	.000003	.000004
22	.000007	.000011
23	.000019	.000030
24	.000048	.000078
25	.000112	.000190
26	.000248	.000437
27	.000520	.000957
28	.001035	.001992
29	.001954	.003947
30	.003505	.007452
31	.005975	.013427
32	.009687	.023114
33	.014948	.038062
34	.021965	.060028
35	.030752	.090779
36	.041036	.131815
37	.052213	.184028
38	.063367	.247395
39	.073371	.320766
40	.081067	.401833
41	.085487	.487320
42	.086016	.573366
43	.082672	.656038
44	.075819	.731857
45	.066371	.798227
46	.055450	.853678
47	.044208	.897885
48	.033625	.931510
49	.024395	.955905
50	.016875	.972780
51	.011127	.983907
52	.006990	.990897
53	.004182	.995079
54	.002381	.997460
55	.001289	.998749
56	.000664	.999413
57	.000324	.999737
58	.000150	.999888
59	.000066	.999954
60	.000028	.999981
61	.000011	.999992
62	.000004	.999996
63	.000001	.999997
64	.000000	.999998

p=.50

x	Individual Term	Cumulative (x or less)
20	.000000	.000001
21	.000001	.000002
22	.000003	.000005
23	.000009	.000014
24	.000023	.000037
25	.000056	.000093
26	.000130	.000224
27	.000285	.000508
28	.000589	.001097
29	.001158	.002256
30	.002162	.004418
31	.003836	.008254
32	.006474	.01728
33	.010397	.025125
34	.015902	.041027
35	.023171	.064198
36	.032182	.096380
37	.042619	.139000
38	.053835	.192835
39	.064878	.257713
40	.074610	.332322
41	.081889	.414211
42	.085788	.499999
43	.085788	.585788
44	.081889	.667676
45	.074610	.742286
46	.064878	.807164
47	.053835	.860999
48	.042619	.903619
49	.032182	.935801
50	.023171	.958972
51	.015902	.974873
52	.010397	.985271
53	.006474	.991744
54	.003836	.995581
55	.002162	.997743
56	.001158	.998901
57	.000589	.999491
58	.000285	.999775
59	.000130	.999905
60	.000056	.999962
61	.000023	.999985
62	.000009	.999994
63	.000003	.999997
64	.000001	.999998
65	.000000	.999999

50-100 BINOMIAL TABLES

n-
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p=.01

p=.02

p=.03

x	Individual Term	Cumulative (x or less)
0	.404732	.404732
1	.367938	.772670
2	.165386	.938057
3	.049003	.987060
4	.010766	.997826
5	.001870	.999696
6	.000268	.999964
7	.000032	.999996
8	.000003	1.000000
9	.000000	1.000000

x	Individual Term	Cumulative (x or less)
0	.162311	.162311
1	.298122	.460432
2	.270743	.731175
3	.162077	.893253
4	.071943	.965195
5	.025253	.990448
6	.007301	.997749
7	.001788	.999537
8	.000379	.999916
9	.000070	.999986
10	.000012	.999998
11	.000002	1.000000
12	.000000	1.000000

x	Individual Term	Cumulative (x or less)
0	.064485	.064485
1	.179493	.243978
2	.247035	.491012
3	.224114	.715126
4	.150757	.865883
5	.080196	.946079
6	.035138	.981217
7	.013041	.994258
8	.004184	.998442
9	.001179	.999621
10	.000295	.999917
11	.000066	.999983
12	.000014	.999997
13	.000003	.999999
14	.000000	1.000000

p=.04

p=.05

p=.06

x	Individual Term	Cumulative (x or less)
0	.025375	.025375
1	.095157	.120533
2	.176438	.296970
3	.215646	.512616
4	.195429	.708045
5	.140058	.848103
6	.082673	.930776
7	.041336	.972112
8	.017869	.989981
9	.006784	.996765
10	.002290	.999055
11	.000694	.999718
12	.000190	.999939
13	.000048	.999986
14	.000011	.999997

x	Individual Term	Cumulative (x or less)
0	.009888	.009888
1	.046840	.056728
2	.109703	.166431
3	.169367	.335798
4	.193880	.529678
5	.175512	.705190
6	.130865	.836055
7	.082651	.918706
8	.045132	.963838
9	.021642	.985480
10	.009226	.994707
11	.003532	.998238
12	.001224	.999462
13	.000386	.999848
14	.000112	.999960

x	Individual Term	Cumulative (x or less)
0	.003815	.003815
1	.021917	.025732
2	.062252	.087984
3	.116558	.204542
4	.161817	.366358
5	.177654	.544012
6	.160645	.704657
7	.123047	.827704
8	.081486	.909189
9	.047389	.956578
10	.024501	.981079
11	.011374	.992453
12	.004779	.997233
13	.001830	.999063
14	.000643	.999706
15	.000208	.999913
16	.000062	.999976
17	.000017	.999993
18	.000004	.999997
19	.000001	.999998
20	.000000	.999999

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50-100 BINOMIAL TABLES

p=.07

x	Individual Term	Cumulative (x or less)
0	.001457	.001457
1	.009870	.011327
2	.033060	.044387
3	.072992	.117379
4	.119495	.236874
5	.154701	.391574
6	.161959	.556533
7	.148995	.705528
8	.116352	.821880
9	.079792	.901673
10	.048648	.950320
11	.026630	.976951
12	.013196	.990146
13	.005959	.996106
14	.002467	.998573
15	.000941	.999514
16	.000332	.999846
17	.000109	.999954
18	.000033	.999988
19	.000009	.999997
20	.000003	1.000000
21	.000001	1.000001
22	.000000	1.000001

p=.08

x	Individual Term	Cumulative (x or less)
0	.000551	.000551
1	.004310	.004860
2	.016677	.021537
3	.012538	.064075
4	.080452	.144527
5	.120328	.264855
6	.148230	.413085
7	.154675	.567780
8	.139544	.707304
9	.110556	.817860
10	.077870	.895730
11	.049246	.944976
12	.028192	.973168
13	.014709	.987876
14	.007035	.994911
15	.003099	.998010
16	.001263	.999274
17	.000478	.999752
18	.000169	.999920
19	.000056	.999976
20	.000017	.999993
21	.000005	.999998
22	.000001	1.000000
23	.000000	1.000000

p=.09

x	Individual Term	Cumulative (x or less)
0	.000206	.000206
1	.001833	.002039
2	.008067	.010106
3	.023404	.033510
4	.050345	.083855
5	.085611	.169496
6	.119992	.289188
7	.142408	.431896
8	.146124	.578020
9	.131672	.709692
10	.105483	.815175
11	.075872	.891047
12	.049400	.940446
13	.029314	.969761
14	.015946	.985706
15	.007990	.993697
16	.003704	.997401
17	.001595	.998996
18	.000610	.999635
19	.000240	.999875
20	.000084	.999959
21	.000028	.999987
22	.000009	.999996
23	.000003	.999998
24	.000001	.999999
25	.000000	1.000000

50-100 BINOMIAL TABLES

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p=.10

p=.11

p=.12

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
0	.000076	.000076	0	.000028	.000028	0	.000010	.000010
1	.000762	.000838	1	.000310	.000338	1	.000124	.000134
2	.003767	.004604	2	.001705	.002043	2	.000751	.000884
3	.012276	.016881	3	.006181	.008224	3	.003003	.003887
4	.029667	.046548	4	.016616	.024840	4	.008905	.012793
5	.056698	.103246	5	.035324	.060164	5	.020887	.033680
6	.089246	.192492	6	.061849	.122013	6	.040351	.074031
7	.118995	.311487	7	.091732	.213745	7	.066028	.140059
8	.137175	.448661	8	.117628	.331373	8	.093415	.233474
9	.138868	.587530	9	.132460	.463833	9	.116061	.349536
10	.124981	.712511	10	.132609	.596441	10	.128195	.477731
11	.100995	.813506	11	.119199	.715640	11	.127135	.601866
12	.073876	.887382	12	.096988	.812629	12	.114133	.718999
13	.049251	.936633	13	.071924	.884553	13	.093381	.812380
14	.030098	.966730	14	.048892	.933445	14	.070036	.882417
15	.016944	.983674	15	.030617	.964062	15	.048389	.930805
16	.008825	.992499	16	.017738	.981800	16	.030930	.961735
17	.004268	.996768	17	.009543	.991343	17	.018360	.980095
18	.001923	.998691	18	.004784	.996127	18	.010153	.990248
19	.000810	.999501	19	.002240	.998367	19	.005247	.995495
20	.000319	.999820	20	.000983	.999350	20	.002540	.998035
21	.000118	.999938	21	.000405	.999755	21	.001155	.999189
22	.000041	.999980	22	.000157	.999912	22	.000494	.999683
23	.000014	.999993	23	.000057	.999970	23	.000199	.999882
24	.000004	.999997	24	.000020	.999989	24	.000076	.999958
25	.000001	.999999	25	.000006	.999996	25	.000027	.999985
26	.000000	.999999	26	.000002	.999998	26	.000009	.999995
			27	.000001	.999998	27	.000003	.999998
			28	.000000	.999999	28	.000001	.999999
						29	.000000	.999999

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50-100 BINOMIAL TABLES

p=.13

x	Individual Term	Cumulative (x or less)
0	.000004	.000004
1	.000048	.000052
2	.000322	.000374
3	.001112	.001787
4	.004590	.006377
5	.011798	.018175
6	.024974	.043150
7	.044782	.087931
8	.069425	.157356
9	.094517	.251873
10	.114398	.366271
11	.124320	.490591
12	.122295	.612886
13	.109044	.722530
14	.090110	.812639
15	.068221	.880460
16	.047784	.928645
17	.031081	.959725
18	.018835	.978560
19	.010665	.989225
20	.005657	.994883
21	.002818	.997701
22	.001321	.999021
23	.000583	.999605
24	.000243	.999848
25	.000096	.999944
26	.000036	.999980
27	.000013	.999993
28	.000004	.999997
29	.000001	.999998
30	.000000	.999999

p=.14

x	Individual Term	Cumulative (x or less)
0	.000001	.000001
1	.000019	.000020
2	.000135	.000155
3	.000645	.000800
4	.002285	.003085
5	.006397	.009482
6	.014752	.021234
7	.028818	.053052
8	.048673	.101725
9	.072192	.173916
10	.095192	.269108
11	.112701	.381809
12	.120782	.502592
13	.117973	.620565
14	.105627	.726192
15	.087122	.813314
16	.066481	.879795
17	.047110	.926905
18	.031102	.958007
19	.019187	.977194
20	.01088	.988282
21	.006017	.994299
22	.003072	.997371
23	.001479	.998850
24	.000672	.999521
25	.000289	.999810
26	.000118	.999928
27	.000045	.999973
28	.000017	.999990
29	.000006	.999995
30	.000002	.999997
31	.000001	.999998
32	.000000	.999998

p=.15

x	Individual Term	Cumulative (x or less)
1	.000007	.000008
2	.000055	.000063
3	.000287	.000350
4	.001101	.001451
5	.003342	.004793
6	.008355	.013148
7	.017693	.030841
8	.032394	.063236
9	.052085	.115321
10	.074451	.189772
11	.095552	.285325
12	.111009	.396334
13	.117539	.513873
14	.114082	.627956
15	.102003	.729959
16	.084377	.814336
17	.064816	.879152
18	.046388	.925540
19	.031021	.956561
20	.019434	.975995
21	.011432	.987426
22	.006327	.993753
23	.003301	.997054
24	.001626	.998681
25	.000758	.999438
26	.000334	.999773
27	.000140	.999912
28	.000056	.999968
29	.000021	.999989
30	.000008	.999996
31	.000003	.999999
32	.000001	1.000000
33	.000000	1.000001

50-100 BINOMIAL TABLES

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p=.16

p=.17

p=.18

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
1	.000003	.000003	1	.000001	.000001	1	.000000	.000000
2	.000022	.000025	2	.000009	.000010	2	.000003	.000004
3	.000124	.000149	3	.000053	.000062	3	.000022	.000025
4	.000515	.000665	4	.000234	.000297	4	.000104	.000129
5	.001688	.002352	5	.000826	.001122	5	.000392	.000522
6	.004554	.006906	6	.002396	.003518	6	.001220	.001741
7	.010409	.017316	7	.005889	.009407	7	.003213	.004954
8	.020571	.037886	8	.012514	.021921	8	.007317	.012270
9	.035699	.073586	9	.023352	.045273	9	.014633	.026903
10	.055079	.128665	10	.038742	.084015	10	.026018	.052922
11	.076300	.204965	11	.057710	.141725	11	.041537	.094458
12	.095678	.300613	12	.077816	.219540	12	.060026	.154484
13	.109346	.409989	13	.095629	.315169	13	.079058	.233543
14	.114553	.524542	14	.107726	.422895	14	.095449	.328991
15	.110553	.635094	15	.111793	.534688	15	.106157	.435149
16	.098708	.733802	16	.107331	.642020	16	.109232	.544381
17	.081842	.815643	17	.095693	.737713	17	.104374	.648754
18	.063222	.878865	18	.079488	.817201	18	.092918	.741672
19	.045634	.924499	19	.061695	.878896	19	.077293	.818965
20	.030857	.955356	20	.044859	.923755	20	.060232	.879197
21	.019592	.974947	21	.030627	.954382	21	.044072	.923268
22	.011704	.986652	22	.019674	.974056	22	.030342	.953611
23	.006591	.993243	23	.011914	.985970	23	.019692	.973303
24	.003505	.996748	24	.006812	.992782	24	.012067	.985370
25	.001762	.998510	25	.003683	.996465	25	.006993	.992363
26	.000839	.999349	26	.001886	.998351	26	.003818	.996201
27	.000379	.999728	27	.000916	.999267	27	.001997	.998197
28	.000162	.999891	28	.000422	.999689	28	.000986	.999184
29	.000066	.999957	29	.000185	.999874	29	.000463	.999646
30	.000026	.999982	30	.000077	.999951	30	.000207	.999853
31	.000009	.999992	31	.000031	.999981	31	.000088	.999941
32	.000003	.999995	32	.000012	.999993	32	.000036	.999976
33	.000001	.999996	33	.000004	.999997	33	.000014	.999990
34	.000000	.999997	34	.000001	.999998	34	.000005	.999995
			35	.000000	.999999	35	.000002	.999997
						36	.000001	.999997
						37	.000000	.999998

50-100 BINOMIAL TABLES

p=.19			p=.20			p=.21		
x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
2	.000001	.000001	2	.000000	.000001	3	.000001	.000002
3	.000009	.000010	3	.000003	.000004	4	.000008	.000009
4	.000045	.000055	4	.000019	.000023	5	.000036	.000045
5	.000181	.000236	5	.000081	.000104	6	.000134	.000179
6	.000602	.000838	6	.000288	.000393	7	.000429	.000608
7	.001694	.002532	7	.000865	.001258	8	.001182	.001790
8	.001123	.006655	8	.002244	.003502	9	.002862	.004652
9	.008811	.015466	9	.005111	.008613	10	.006163	.010815
10	.016741	.032207	10	.010350	.018963	11	.011915	.022730
11	.028559	.060766	11	.018818	.037781	12	.020851	.043582
12	.044102	.104869	12	.030972	.068753	13	.033256	.076838
13	.062070	.166939	13	.046458	.115211	14	.048622	.125460
14	.080078	.247017	14	.063879	.179090	15	.065486	.190945
15	.095171	.342188	15	.080914	.260004	16	.081598	.272543
16	.104644	.446832	16	.094821	.354825	17	.094418	.366961
17	.106848	.553679	17	.103188	.458013	18	.101788	.468749
18	.101645	.655324	18	.104621	.562633	19	.102534	.571283
19	.090351	.745675	19	.099114	.661748	20	.096758	.668041
20	.075237	.820911	20	.087964	.749712	21	.085735	.753776
21	.058827	.879738	21	.073303	.823015	22	.071479	.825255
22	.043278	.923017	22	.057476	.880491	23	.056176	.881431
23	.030014	.953030	23	.042483	.922974	24	.041688	.923118
24	.019654	.972685	24	.029649	.952623	25	.029255	.952373
25	.012171	.984856	25	.019569	.972192	26	.019442	.971815
26	.007137	.991993	26	.012230	.984422	27	.012250	.984065
27	.003968	.995961	27	.007248	.991670	28	.007327	.991392
28	.002094	.998056	28	.004077	.995746	29	.004164	.995556
29	.001050	.999106	29	.002179	.997925	30	.002251	.997807
30	.000501	.999607	30	.001108	.999033	31	.001158	.998965
31	.000227	.999834	31	.000536	.999569	32	.000568	.999532
32	.000098	.999933	32	.000247	.999816	33	.000265	.999797
33	.000041	.999973	33	.000109	.999925	34	.000118	.999915
34	.000016	.999989	34	.000045	.999970	35	.000050	.999966
35	.000006	.999995	35	.000018	.999988	36	.000020	.999986
36	.000002	.999997	36	.000007	.999995	37	.000008	.999994
37	.000001	.999998	37	.000003	.999998	38	.000003	.999997
38	.000000	.999998	38	.000001	.999999	39	.000001	.999998
			39	.000000	.999999	40	.000000	.999998

50-100 BINOMIAL TABLES

n-
90

p=.22

p=.23

p=.24

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
3	.000001	.000001	4	.000001	.000001	4	.000000	.000001
4	.000003	.000004	5	.000006	.000008	5	.000003	.000003
5	.000015	.000019	6	.000027	.000035	6	.000012	.000015
6	.000061	.000080	7	.000096	.000131	7	.000044	.000059
7	.000206	.000286	8	.000299	.000430	8	.000144	.000202
8	.000603	.000889	9	.000813	.001243	9	.000414	.000616
9	.001550	.002440	10	.001968	.003211	10	.001058	.001675
10	.003542	.005982	11	.004275	.007486	11	.002431	.004105
11	.007265	.013247	12	.008406	.015892	12	.005053	.009159
12	.013491	.026738	13	.015066	.030958	13	.009575	.018734
13	.022831	.049569	14	.024751	.055708	14	.016630	.035364
14	.035417	.084985	15	.037458	.093167	15	.026608	.061972
15	.050613	.135598	16	.052447	.145614	16	.039387	.101358
16	.066916	.202514	17	.068194	.213808	17	.054142	.155500
17	.082156	.284670	18	.082610	.296418	18	.069339	.224839
18	.093976	.378646	19	.093508	.389925	19	.082977	.307816
19	.100444	.479090	20	.099155	.489080	20	.093021	.400837
20	.100573	.579663	21	.098725	.587806	21	.097917	.498754
21	.094556	.671419	22	.092490	.680295	22	.096980	.595734
22	.083645	.757864	23	.081679	.761974	23	.090544	.686278
23	.069751	.827615	24	.068110	.803084	24	.079822	.766100
24	.054922	.882537	25	.053710	.883794	25	.066546	.832646
25	.040895	.923433	26	.040108	.923902	26	.052536	.885182
26	.028837	.952269	27	.028398	.952300	27	.039326	.924508
27	.019279	.971548	28	.019085	.971385	28	.027942	.952450
28	.012235	.983783	29	.012188	.983573	29	.018865	.971314
29	.007378	.991161	30	.007403	.990976	30	.012113	.983427
30	.004231	.995392	31	.004280	.995255	31	.007404	.990831
31	.002310	.997702	32	.002357	.997612	32	.004311	.995141
32	.001201	.998903	33	.001237	.998850	33	.002392	.997534
33	.000595	.999498	34	.000620	.999469	34	.001267	.998800
34	.000282	.999780	35	.000296	.999765	35	.000640	.999440
35	.000127	.999907	36	.000135	.999900	36	.000309	.999749
36	.000055	.999962	37	.000059	.999959	37	.000142	.999891
37	.000023	.999984	38	.000025	.999984	38	.000063	.999954
38	.000009	.999993	39	.000010	.999994	39	.000026	.999981
39	.000003	.999996	40	.000004	.999997	40	.000011	.999991
40	.000001	.999998	41	.000001	.999999	41	.000004	.999995
41	.000000	.999998	42	.000000	.999999	42	.000002	.999997
						43	.000001	.999997
						44	.000000	.999997

p=.25

p=.26

p=.27

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
5	.000001	.000001	5	.000000	.000000	6	.000001	.000000
6	.000005	.000006	6	.000002	.000002	7	.000004	.000000
7	.000019	.000026	7	.000008	.000011	8	.000014	.00001
8	.000067	.000093	8	.000031	.000042	9	.000046	.00006
9	.000204	.000297	9	.000098	.000140	10	.000137	.00020
10	.000552	.000849	10	.000279	.000419	11	.000369	.00057
11	.001338	.002187	11	.000713	.001132	12	.000898	.00146
12	.002935	.005122	12	.001649	.002781	13	.001992	.00345
13	.005871	.010992	13	.003477	.006258	14	.004053	.00751
14	.010763	.021755	14	.006720	.012978	15	.007594	.01510
15	.018177	.039932	15	.011962	.024960	16	.03167	.02827
16	.028401	.068333	16	.019701	.044641	17	.021198	.01947
17	.041210	.109543	17	.030131	.074772	18	.031797	.08126
18	.055710	.165253	18	.042934	.117706	19	.044567	.12583
19	.070370	.235622	19	.057164	.174870	20	.058517	.18435
20	.083271	.318894	20	.071301	.246171	21	.072144	.25649
21	.092523	.411417	21	.083505	.329676	22	.083689	.34018
22	.096729	.508146	22	.092020	.421696	23	.091515	.43170
23	.095327	.603473	23	.095588	.517284	24	.094492	.52619
24	.088707	.692180	24	.093758	.611043	25	.092265	.61845
25	.078062	.770243	25	.086967	.698010	26	.085314	.70377
26	.065052	.835295	26	.076390	.774400	27	.074796	.77856
27	.051399	.886694	27	.063620	.838020	28	.062244	.84081
28	.038549	.925243	28	.050294	.888315	29	.049219	.89003
29	.027472	.952715	29	.037779	.926094	30	.037016	.92704
30	.018620	.971335	30	.026990	.953084	31	.026498	.95354
31	.012013	.983348	31	.018354	.971438	32	.018070	.97161
32	.007383	.990731	32	.011890	.983328	33	.011747	.98336
33	.004325	.995056	33	.007342	.990670	34	.007284	.99064
34	.002417	.997473	34	.004325	.994995	35	.004310	.99495
35	.001289	.998762	35	.002431	.997427	36	.002436	.99739
36	.000656	.999419	36	.001305	.998732	37	.001315	.99870
37	.000319	.999738	37	.000669	.999401	38	.000678	.99938
38	.000148	.999887	38	.000328	.999729	39	.000334	.99971
39	.000066	.999953	39	.000154	.999882	40	.000158	.99987
40	.000028	.999981	40	.000069	.999951	41	.000071	.99994
41	.000011	.999992	41	.000029	.999981	42	.000031	.99997
42	.000004	.999996	42	.000012	.999993	43	.000013	.99995
43	.000002	.999998	43	.000005	.999998	44	.000005	.99995
44	.000001	.999999	44	.000002	.999999	45	.000002	.99995
45	.000000	.999999	45	.000001	1.000000	46	.000000	.99995
			46	.000000	1.000001			

50-100 BINOMIAL TABLES

n-

90

p=.28

p=.29

p=.30

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
6	.000000	.000000	7	.000001	.000001	7	.000000	.000000
8	.000001	.000002	8	.000002	.000003	8	.000001	.000001
9	.000006	.000008	9	.000009	.000012	9	.000004	.000005
10	.000021	.000028	10	.000030	.000043	10	.000014	.000019
11	.000065	.000094	11	.000090	.000133	11	.000043	.000062
12	.000185	.000279	12	.000242	.000375	12	.000120	.000182
13	.000474	.000752	13	.000594	.000969	13	.000310	.000492
14	.001105	.001858	14	.001334	.002304	14	.000730	.001222
15	.002364	.004221	15	.002762	.005065	15	.001585	.002806
16	.004657	.008878	16	.005288	.010353	16	.003184	.005990
17	.008490	.017368	17	.009401	.019754	17	.005940	.011930
18	.014372	.031740	18	.015573	.035327	18	.010324	.022254
19	.022666	.054406	19	.024104	.059430	19	.016766	.039020
20	.034043	.087810	20	.034950	.094380	20	.025509	.064529
21	.046115	.133925	21	.047585	.141965	21	.036441	.100971
22	.059779	.193703	22	.060958	.202924	22	.048983	.149954
23	.072912	.266615	23	.073613	.276537	23	.062065	.212019
24	.083831	.350446	24	.083938	.360474	24	.074257	.286276
25	.091011	.444457	25	.090511	.450985	25	.084016	.370292
26	.093438	.534895	26	.092423	.543408	26	.090017	.460310
27	.090842	.625737	27	.089482	.632891	27	.091446	.551756
28	.083739	.709476	28	.082235	.715126	28	.088180	.639936
29	.073272	.782748	29	.071811	.786937	29	.080796	.720732
30	.060920	.843668	30	.059640	.846578	30	.070408	.791140
31	.048172	.891839	31	.047149	.893726	31	.058403	.849542
32	.036258	.928098	32	.035507	.929233	32	.046149	.895691
33	.025998	.954095	33	.025490	.954723	33	.034761	.930452
34	.017769	.971865	34	.017454	.972177	34	.024976	.955428
35	.011585	.983450	35	.011407	.983584	35	.017126	.972554
36	.007208	.990658	36	.007118	.990702	36	.011214	.983767
37	.004283	.994941	37	.004243	.994945	37	.007014	.990781
38	.002431	.997372	38	.002417	.997362	38	.004192	.994974
39	.001318	.998690	39	.001316	.998679	39	.002396	.997370
40	.000684	.999374	40	.000686	.999364	40	.001309	.998679
41	.000339	.999713	41	.000341	.999706	41	.000684	.999363
42	.000161	.999873	42	.000163	.999868	42	.000342	.999705
43	.000073	.999946	43	.000074	.999943	43	.000164	.999869
44	.000032	.999978	44	.000032	.999975	44	.000075	.999944
45	.000013	.999991	45	.000014	.999988	45	.000033	.999976
46	.000005	.999996	46	.000005	.999994	46	.000014	.999990
47	.000002	.999998	47	.000002	.999996	47	.000006	.999996
48	.000001	.999999	48	.000001	.999997	48	.000002	.999998
	.000000	.999999	49	.000000	.999997	49	.000001	.999999
						50	.000000	.999999

50-100 BINOMIAL TABLES

p=.31

x	Individual Term	Cumulative (x or less)
8	.000000	.000001
9	.000002	.000002
10	.000006	.000008
11	.000020	.000028
12	.000058	.000086
13	.000157	.000243
14	.000387	.000630
15	.000881	.001510
16	.001855	.003366
17	.003628	.006994
18	.006611	.013604
19	.011255	.024859
20	.017950	.042809
21	.026882	.069692
22	.037880	.107571
23	.050315	.157887
24	.063107	.220993
25	.074850	.295843
26	.084071	.379914
27	.089531	.469445
28	.090504	.559949
29	.086931	.646880
30	.079414	.726293
31	.069055	.795349
32	.057202	.852551
33	.045169	.897720
34	.034021	.931741
35	.024456	.956196
36	.016786	.972983
37	.011007	.983989
38	.006897	.990886
39	.004132	.995018
40	.002367	.997385
41	.001297	.998681
42	.000680	.999361
43	.000341	.999702
44	.000164	.999866
45	.000075	.999941
46	.000033	.999974
47	.000014	.999988
48	.000006	.999993
49	.000002	.999995
50	.000001	.999996
51	.000000	.999996
52	.000000	.999997

p=.32

x	Individual Term	Cumulative (x or less)
8	.000000	.000000
9	.000001	.000001
10	.000003	.000003
11	.000009	.000012
12	.000027	.000039
13	.000077	.000116
14	.000199	.000315
15	.000475	.000790
16	.001047	.001837
17	.002144	.003981
18	.004092	.008073
19	.007297	.015370
20	.012191	.027561
21	.019123	.046683
22	.028224	.074907
23	.039268	.111757
24	.051587	.165762
25	.064090	.229852
26	.075399	.305251
27	.086106	.389357
28	.090503	.478410
29	.089595	.568005
30	.085730	.653735
31	.078084	.731819
32	.067750	.799569
33	.056035	.855604
34	.044208	.899812
35	.033286	.933098
36	.023931	.957029
37	.016436	.973465
38	.010788	.984252
39	.006769	.991021
40	.004061	.995082
41	.002331	.997413
42	.001280	.998693
43	.000672	.999365
44	.000338	.999703
45	.000163	.999865
46	.000075	.999940
47	.000033	.999973
48	.000014	.999987
49	.000006	.999993
50	.000002	.999995
51	.000001	.999996
52	.000001	.999997
53	.000000	.999996

p=.33

x	Individual Term	Cumulative (x or less)
10	.000001	.000001
11	.000004	.000005
12	.000012	.000018
13	.000037	.000054
14	.000099	.000154
15	.000248	.000401
16	.000572	.000974
17	.001227	.002200
18	.002500	.004651
19	.004574	.009224
20	.007997	.017221
21	.013129	.030350
22	.020282	.050632
23	.029534	.080166
24	.040609	.120775
25	.052804	.173580
26	.065020	.238600
27	.075911	.314511
28	.084125	.398636
29	.088585	.487220
30	.088717	.575937
31	.084573	.660510
32	.076802	.737311
33	.066186	.803795
34	.054899	.858697
35	.043264	.901961
36	.032555	.934516
37	.023402	.957918
38	.016076	.973997
39	.010558	.984555
40	.006630	.991118
41	.003982	.995161
42	.002288	.997455
43	.001258	.998711
44	.000662	.999377
45	.000333	.999700
46	.000161	.999861
47	.000074	.999941
48	.000033	.999977
49	.000014	.999986
50	.000006	.999999
51	.000002	.999999
52	.000001	.999999
53	.000000	.999999

50-100 BINOMIAL TABLES

n=90

p=.34

x	Individual Term	Cumulative (x or less)
10	.000000	.000001
11	.000002	.000002
12	.000005	.000008
13	.000017	.000025
14	.000048	.000073
15	.000126	.000198
16	.000303	.000501
17	.000680	.001181
18	.001420	.002602
19	.002773	.005374
20	.005071	.010445
21	.008707	.019152
22	.014068	.033220
23	.021126	.056464
24	.030814	.085460
25	.041907	.127368
26	.053971	.181339
27	.065904	.247243
28	.076389	.323632
29	.084132	.407764
30	.088126	.495890
31	.087867	.583757
32	.083457	.667214
33	.075564	.742778
34	.065260	.808038
35	.053790	.861828
36	.042335	.901162
37	.031829	.935991
38	.022869	.958860
39	.015708	.974568
40	.010317	.984885
41	.006182	.991367
42	.003896	.995263
43	.002240	.997503
44	.001233	.998736
45	.000649	.999385
46	.000327	.999712
47	.000158	.999870
48	.000073	.999942
49	.000032	.999975
50	.000014	.999988
51	.000005	.999994
52	.000002	.999996
53	.000001	.999997
54	.000000	.999997

p=.35

x	Individual Term	Cumulative (x or less)
11	.000001	.000001
12	.000002	.000003
13	.000008	.000011
14	.000023	.000034
15	.000062	.000095
16	.000156	.000251
17	.000365	.000616
18	.000797	.001413
19	.001627	.003040
20	.003110	.006150
21	.005581	.011731
22	.009426	.021157
23	.015006	.036162
24	.022556	.058719
25	.032065	.090783
26	.043164	.133948
27	.055093	.189040
28	.066747	.255787
29	.076839	.332625
30	.084128	.416754
31	.087677	.504431
32	.087045	.591476
33	.082378	.673854
34	.074364	.748218
35	.064067	.812286
36	.052705	.864991
37	.041419	.906410
38	.031106	.937516
39	.022333	.959849
40	.015332	.975181
41	.010068	.985249
42	.006325	.991574
43	.003802	.995375
44	.002187	.997562
45	.001204	.998766
46	.000634	.999400
47	.000320	.999719
48	.000154	.999873
49	.000071	.999945
50	.000031	.999976
51	.000013	.999989
52	.000005	.999995
53	.000002	.999997
54	.000001	.999998
55	.000000	.999998

p=.36

x	Individual Term	Cumulative (x or less)
11	.000000	.000000
12	.000001	.000001
13	.000003	.000005
14	.000010	.000015
15	.000029	.000044
16	.000078	.000122
17	.000190	.000312
18	.000434	.000746
19	.000924	.001670
20	.001845	.003515
21	.003460	.006975
22	.006104	.013079
23	.010151	.023230
24	.015940	.039170
25	.023671	.062841
26	.033288	.096129
27	.044384	.140512
28	.056173	.196685
29	.067553	.264238
30	.077264	.341502
31	.084118	.425619
32	.087239	.512858
33	.086248	.599106
34	.081333	.680439
35	.073200	.753638
36	.062906	.816544
37	.051642	.868187
38	.040515	.908702
39	.030387	.939089
40	.021793	.960881
41	.014949	.975831
42	.009811	.985611
43	.006160	.991801
44	.003701	.995503
45	.002128	.997631
46	.001171	.998802
47	.000617	.999419
48	.000311	.999730
49	.000150	.999879
50	.000069	.999949
51	.000030	.999979
52	.000013	.999992
53	.000005	.999997
54	.000002	.999999
55	.000001	1.000000
56	.000000	1.000001

p=.37

x	Individual Term	Cumulative (x or less)
12	.000000	.000001
13	.000001	.000002
14	.000005	.000007
15	.000014	.000020
16	.000038	.000058
17	.000096	.000154
18	.000228	.000382
19	.000508	.000890
20	.001060	.001950
21	.002075	.004025
22	.003822	.007847
23	.006637	.014484
24	.010881	.023365
25	.016871	.042236
26	.024771	.067007
27	.034484	.101491
28	.045568	.147059
29	.057216	.204274
30	.068326	.272600
31	.077667	.350267
32	.084100	.434367
33	.086811	.521178
34	.085473	.606651
35	.080318	.686969
36	.072066	.759035
37	.061771	.820807
38	.050599	.871405
39	.039622	.911028
40	.029670	.940697
41	.021250	.961947
42	.014560	.976507
43	.009546	.986053
44	.005988	.992041
45	.003595	.995636
46	.002066	.997701
47	.001136	.998837
48	.000597	.999435
49	.000301	.999735
50	.000145	.999880
51	.000067	.999947
52	.000029	.999976
53	.000012	.999989
54	.000005	.999994
55	.000002	.999996
56	.000001	.999996
57	.000000	.999997

p=.38

x	Individual Term	Cumulative (x or less)
12	.000000	.000000
13	.000001	.000001
14	.000002	.000003
15	.000006	.000009
16	.000018	.000026
17	.000047	.000073
18	.000117	.000190
19	.000271	.000461
20	.000590	.001051
21	.001204	.002255
22	.002315	.004570
23	.004718	.015943
24	.011615	.027558
25	.017797	.045355
26	.025855	.071210
27	.036555	.106865
28	.046721	.153586
29	.058225	.211811
30	.069070	.280881
31	.078052	.358933
32	.084079	.443012
33	.086393	.529405
34	.087211	.606651
35	.087211	.686969
36	.087211	.759035
37	.087211	.820807
38	.087211	.871405
39	.087211	.911028
40	.087211	.940697
41	.087211	.961947
42	.087211	.976507
43	.087211	.986053
44	.087211	.992041
45	.087211	.995636
46	.087211	.997701
47	.087211	.998837
48	.087211	.999435
49	.087211	.999735
50	.087211	.999880
51	.087211	.999947
52	.087211	.999976
53	.087211	.999989
54	.087211	.999994
55	.087211	.999996
56	.087211	.999996
57	.087211	.999997

p=.39

x	Individual Term	Cumulative (x or less)
14	.000001	.000001
15	.000003	.000004
16	.000008	.000012
17	.000022	.000034
18	.000058	.000092
19	.000140	.000232
20	.000318	.000549
21	.000677	.001226
22	.001357	.002583
23	.002565	.005148
24	.004578	.009726
25	.007727	.017453
26	.012351	.029804
27	.018717	.048521
28	.026925	.075446
29	.036803	.112249
30	.047844	.160093
31	.059204	.219297
32	.069789	.289087
33	.078422	.367509
34	.084056	.451565
35	.085985	.53755C
36	.083988	.621538
37	.078369	.699908
38	.069883	.769791
39	.059573	.829363
40	.048561	.877925
41	.037863	.915787
42	.028242	.944025
43	.020156	.964187
44	.013765	.977950
45	.008996	.986946
46	.005627	.992571
47	.003368	.995941
48	.001929	.997870
49	.001057	.998921
50	.000554	.999481
51	.000278	.999759
52	.000133	.999891
53	.000061	.999951
54	.000027	.999980
55	.000011	.999991
56	.000004	.999999
57	.000002	.999999
58	.000000	.999999

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p=.40

x	Individual Term	Cumulative (x or less)
14	.000000	.000000
15	.000001	.000002
16	.000004	.000005
17	.000010	.000015
18	.000028	.000043
19	.000070	.000113
20	.000166	.000279
21	.000368	.000647
22	.000770	.001417
23	.001517	.002934
24	.002823	.005757
25	.004969	.010726
26	.008282	.019008
27	.013088	.032096
28	.019632	.051728
29	.027981	.079708
30	.037929	.117638
31	.048941	.166579
32	.060157	.226735
33	.070487	.297222
34	.078779	.376001
35	.084031	.460033
36	.085587	.545620
37	.083274	.628894
38	.077430	.706324
39	.068827	.775151
40	.058503	.833654
41	.047563	.881218
42	.036994	.918211
43	.027530	.945742
44	.019605	.965346
45	.013360	.978707
46	.008713	.987420
47	.005438	.992858
48	.003248	.996106
49	.001856	.997962
50	.001015	.998976
51	.000530	.999507
52	.000265	.999772
53	.000127	.999899
54	.000058	.999957
55	.000025	.999982
56	.000011	.999992
57	.000004	.999997
58	.000002	.999998
59	.000001	.999999
60	.000000	.999999

p=.41

x	Individual Term	Cumulative (x or less)
15	.000000	.000001
16	.000002	.000002
17	.000005	.000007
18	.000013	.000020
19	.000034	.000054
20	.000084	.000137
21	.000194	.000331
22	.000423	.000754
23	.000868	.001622
24	.001684	.003306
25	.003090	.006396
26	.005368	.011764
27	.008842	.020606
28	.013825	.034431
29	.020540	.054971
30	.029023	.083993
31	.039035	.123029
32	.050014	.173043
33	.061085	.234128
34	.071165	.305292
35	.079125	.384418
36	.084005	.468423
37	.085198	.553621
38	.082576	.636198
39	.076511	.712709
40	.067790	.780499
41	.057449	.837949
42	.046576	.884525
43	.036130	.920655
44	.026819	.947474
45	.019051	.966525
46	.012951	.979477
47	.008426	.987902
48	.005245	.993147
49	.003124	.996271
50	.001780	.998052
51	.000970	.999022
52	.000506	.999528
53	.000252	.999780
54	.000120	.999900
55	.000055	.999954
56	.000024	.999978
57	.000010	.999988
58	.000004	.999992
59	.000001	.999993
60	.000001	.999994
61	.000000	.999994

p=.42

x	Individual Term	Cumulative (x or less)
15	.000000	.000000
16	.000001	.000001
17	.000002	.000003
18	.000006	.000009
19	.000016	.000025
20	.000041	.000066
21	.000099	.000164
22	.000225	.000389
23	.000481	.000870
24	.000972	.001842
25	.001858	.003699
26	.003363	.007063
27	.005773	.012836
28	.009406	.022242
29	.014562	.036804
30	.021442	.058246
31	.030052	.088298
32	.040123	.128421
33	.051066	.179486
34	.061993	.241479
35	.071827	.313306
36	.079464	.392770
37	.083981	.476751
38	.084819	.561570
39	.081894	.643464
40	.075611	.719075
41	.066772	.785847
42	.056411	.842258
43	.045599	.887057
44	.035271	.923128
45	.026109	.949237
46	.018495	.967733
47	.012538	.980271
48	.008134	.988405
49	.005049	.993453
50	.002998	.996451
51	.001703	.998154
52	.000925	.999078
53	.000480	.999558
54	.000238	.999797
55	.000113	.999909
56	.000051	.999961
57	.000022	.999983
58	.000009	.999992
59	.000004	.999995
60	.000001	.999997
61	.000000	.999997

p=.43

x	Individual Term	Cumulative (x or less)
17	.000001	.000001
18	.000003	.000004
19	.000007	.000011
20	.000019	.000030
21	.000049	.000079
22	.000115	.000195
23	.000258	.000452
24	.000542	.000995
25	.001080	.002075
26	.002037	.004112
27	.003643	.007755
28	.006184	.013939
29	.009973	.023913
30	.015298	.039211
31	.022337	.061548
32	.031069	.092617
33	.041194	.133811
34	.052098	.185909
35	.062883	.248792
36	.072475	.321267
37	.079795	.401061
38	.083957	.485019
39	.084448	.569467
40	.081226	.650693
41	.074727	.725420
42	.065768	.791188
43	.055384	.846572
44	.044629	.891201
45	.034416	.925617
46	.025398	.951015
47	.017937	.968953
48	.012122	.981075
49	.007838	.988913
50	.004849	.993762
51	.002869	.996631
52	.001623	.998254
53	.000878	.999132
54	.000454	.999586
55	.000224	.999810
56	.000106	.999916
57	.000048	.999963
58	.000020	.999984
59	.000008	.999992
60	.000003	.999995
61	.000001	.999996
62	.000000	.999997

p=.44

x	Individual Term	Cumulative (x or less)
17	.000000	.000000
18	.000001	.000002
19	.000003	.000005
20	.000009	.000014
21	.000023	.000037
22	.000057	.000094
23	.000134	.000228
24	.000293	.000521
25	.000607	.001128
26	.001193	.002321
27	.002222	.004544
28	.003929	.008472
29	.006599	.015071
30	.010543	.025614
31	.016033	.041647
32	.023226	.06874
33	.032075	.096948
34	.042250	.139198
35	.053114	.192312
36	.063758	.256069
37	.073112	.329181
38	.080121	.409302
39	.083936	.493238
40	.084086	.577324
41	.080570	.657895
42	.073856	.731751
43	.064777	.796528
44	.054367	.850895
45	.043666	.894561
46	.033563	.928124
47	.024688	.952812
48	.017377	.970189
49	.011703	.981891
50	.007540	.989431
51	.004646	.994078
52	.002738	.996816
53	.001542	.998359
54	.000830	.999189
55	.000427	.999616
56	.000210	.999826
57	.000098	.999924
58	.000044	.999968
59	.000019	.999987
60	.000008	.999994
61	.000003	.999997
62	.000001	.999998
63	.000000	.999999

p=.45

x	Individual Term	Cumulative (x or less)
18	.000000	.000001
19	.000001	.000002
20	.000004	.000006
21	.000011	.000017
22	.000028	.000044
23	.000067	.000111
24	.000153	.000264
25	.000330	.000594
26	.000676	.001270
27	.001310	.002580
28	.002412	.004992
29	.004219	.009211
30	.007018	.016229
31	.011114	.027343
32	.016766	.044109
33	.024110	.068219
34	.033070	.101289
35	.043292	.144581
36	.054115	.198696
37	.064619	.263315
38	.073740	.337055
39	.080443	.417498
40	.083917	.501415
41	.083731	.585146
42	.079925	.665071
43	.072997	.738068
44	.063797	.801865
45	.053357	.855222
46	.042707	.897930
47	.032712	.930641
48	.023976	.954618
49	.016815	.971432
50	.011281	.982713
51	.007239	.989952
52	.004442	.994395
53	.002606	.997000
54	.001461	.998461
55	.000782	.999244
56	.000400	.999644
57	.000195	.999839
58	.000091	.999930
59	.000040	.999970
60	.000017	.999987
61	.000007	.999994
62	.000003	.999997
63	.000001	.999998
64	.000000	.999998

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n=90

p=.46

p=.47

p=.48

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
18	.000000	.000000	20	.000001	.000001	20	.000000	.000000
19	.000001	.000001	21	.000002	.000003	21	.000001	.000001
20	.000002	.000003	22	.000006	.000009	22	.000003	.000004
21	.000005	.000007	23	.000015	.000024	23	.000007	.000011
22	.000013	.000020	24	.000038	.000062	24	.000018	.000028
23	.000032	.000053	25	.000088	.000150	25	.000043	.000072
24	.000077	.000130	26	.000195	.000345	26	.000100	.000172
25	.000174	.000303	27	.000411	.000756	27	.000218	.000390
26	.000370	.000673	28	.000820	.001576	28	.000454	.000844
27	.000746	.001420	29	.001554	.003131	29	.000896	.001739
28	.001431	.002850	30	.002803	.005933	30	.001681	.003420
29	.002605	.005456	31	.004811	.010744	31	.003003	.006423
30	.004513	.009969	32	.007865	.018609	32	.005111	.011534
31	.007441	.017409	33	.012259	.030869	33	.008292	.019826
32	.011686	.029096	34	.018225	.049094	34	.012832	.032658
33	.017497	.046592	35	.025859	.074953	35	.018952	.051610
34	.024987	.071580	36	.030535	.109988	36	.026727	.078337
35	.034057	.105636	37	.045344	.155332	37	.036006	.114343
36	.044323	.149959	38	.056083	.211415	38	.046356	.160699
37	.055104	.205063	39	.066312	.277726	39	.057054	.217753
38	.065469	.270533	40	.074976	.352702	40	.067148	.284901
39	.074360	.344893	41	.081083	.433785	41	.075588	.360489
40	.080764	.425656	42	.083888	.517673	42	.081403	.441892
41	.083901	.509557	43	.083041	.600714	43	.083878	.525770
42	.083383	.592940	44	.078661	.679376	44	.082705	.608476
43	.079289	.672229	45	.071306	.750682	45	.078040	.686516
44	.072148	.744377	46	.061859	.812541	46	.070471	.756986
45	.062825	.807202	47	.051355	.863896	47	.060898	.817884
46	.052354	.859556	48	.040797	.904693	48	.050358	.868242
47	.041751	.901307	49	.031010	.935703	49	.039844	.908086
48	.031861	.933169	50	.022550	.958253	50	.030159	.938244
49	.023264	.956432	51	.015684	.973937	51	.021834	.960078
50	.016250	.972682	52	.010431	.984368	52	.015116	.975194
51	.010857	.983539	53	.006632	.991001	53	.010004	.985199
52	.006936	.990476	54	.004030	.995031	54	.006327	.991526
53	.004237	.994712	55	.002339	.997370	55	.003823	.995349
54	.002473	.997185	56	.001296	.998666	56	.002206	.997555
55	.001379	.998564	57	.000686	.999352	57	.001214	.998769
56	.000734	.999298	58	.000346	.999698	58	.000638	.999407
57	.000373	.999671	59	.000166	.999865	59	.000319	.999726
58	.000181	.999852	60	.000076	.999941	60	.000152	.999878
59	.000084	.999935	61	.000033	.999974	61	.000069	.999947
60	.000037	.999972	62	.000014	.999988	62	.000030	.999977
61	.000015	.999987	63	.000005	.999993	63	.000012	.999990
62	.000006	.999993	64	.000002	.999995	64	.000005	.999994
63	.000002	.999996	65	.000001	.999996	65	.000002	.999996
64	.000001	.999996	66	.000000	.999996	66	.000001	.999997
65	.000000	.999997				67	.000000	.999997

p=.49

x	Individual Term	Cumulative (x or less)
22	.000001	.000001
23	.000003	.000004
24	.000008	.000013
25	.000021	.000033
26	.000049	.000082
27	.000112	.000194
28	.000243	.000437
29	.000498	.000935
30	.000973	.001908
31	.001810	.003718
32	.003206	.006924
33	.005413	.012337
34	.008720	.021057
35	.013404	.034461
36	.019676	.054137
37	.027590	.081727
38	.036972	.118698
39	.047362	.166061
40	.058019	.224079
41	.067980	.292059
42	.076200	.368259
43	.081724	.449983
44	.083873	.533856
45	.082375	.616231
46	.077424	.693655
47	.069639	.763294
48	.059939	.823233
49	.049361	.872594
50	.038889	.911483
51	.029305	.940788
52	.021117	.961905
53	.014547	.976452
54	.009576	.986028
55	.006022	.992051
56	.003616	.995667
57	.002073	.997740
58	.001133	.998873
59	.000590	.999463
60	.000293	.999756
61	.000138	.999894
62	.000062	.999957
63	.000026	.999983
64	.000011	.999994
65	.000004	.999998
66	.000002	1.000000
67	.000001	1.000000

p=.50

x	Individual Term	Cumulative (x or less)
22	.000000	.000001
23	.000001	.000002
24	.000004	.000005
25	.000009	.000015
26	.000023	.000038
27	.000056	.000094
28	.000125	.000219
29	.000267	.000486
30	.000544	.001030
31	.001052	.002082
32	.001940	.004023
33	.003410	.007433
34	.005717	.013151
35	.009148	.022299
36	.013976	.036275
37	.020397	.056672
38	.028449	.085121
39	.037932	.123053
40	.048363	.171416
41	.058980	.230396
42	.068810	.299206
43	.076811	.376016
44	.082048	.458064
45	.083871	.511935
46	.082048	.623983
47	.076811	.700793
48	.068810	.769603
49	.058980	.828583
50	.048363	.876946
51	.037932	.911487
52	.028449	.943327
53	.020397	.963724
54	.013976	.977700
55	.009148	.986848
56	.005717	.992566
57	.003410	.995976
58	.001940	.997916
59	.001052	.998969
60	.000544	.999513
61	.000267	.999780
62	.000125	.999905
63	.000056	.999961
64	.000023	.999984
65	.000009	.999994
66	.000004	.999997
67	.000001	.999998

50-100 BINOMIAL TABLES

n=
95

p=.01

x	Individual Term	Cumulative (x or less)
0	.384896	.384896
1	.369345	.754241
2	.175346	.929586
3	.054906	.984493
4	.012756	.997249
5	.002345	.999594
6	.000355	.999949
7	.000046	.999995
8	.000005	1.000000
9	.000000	1.000001

p=.02

x	Individual Term	Cumulative (x or less)
0	.146716	.146716
1	.284449	.431165
2	.272839	.701004
3	.172612	.876617
4	.081022	.957639
5	.030094	.987733
6	.009212	.996945
7	.002390	.999335
8	.000537	.999872
9	.000106	.999978
10	.000019	.999997
11	.000003	.999999
12	.000000	1.000000

p=.03

x	Individual Term	Cumulative (x or less)
0	.055375	.055375
1	.162700	.218075
2	.236502	.454577
3	.226749	.681327
4	.161296	.842623
5	.090791	.933414
6	.042120	.975534
7	.016563	.992096
8	.005635	.997731
9	.001685	.999416
10	.000448	.999864
11	.000107	.999971
12	.000023	.999994
13	.000005	.999999
14	.000001	.999999
15	.000000	1.000000

p=.04

x	Individual Term	Cumulative (x or less)
0	.020690	.020690
1	.081899	.102590
2	.160386	.262975
3	.207165	.470140
4	.198533	.668673
5	.150554	.819228
6	.094096	.913324
7	.049849	.963173
8	.022847	.986020
9	.009202	.995223
10	.003298	.998520
11	.001062	.999582
12	.000310	.999891
13	.000082	.999974
14	.000020	.999994

p=.05

x	Individual Term	Cumulative (x or less)
0	.007651	.007651
1	.038257	.045909
2	.094636	.140545
3	.154406	.294951
4	.186913	.481864
5	.179043	.660906
6	.141350	.802256
7	.094587	.896843
8	.054761	.951604
9	.027861	.979465
10	.012611	.992076
11	.005129	.997205
12	.001890	.999094
13	.000635	.999729
14	.000196	.999925
15	.000056	.999980
16	.000015	.999995
17	.000004	.999998
18	.000001	.999999
19	.000000	.999999

p=.06

x	Individual Term	Cumulative (x or less)
0	.002800	.002800
1	.016978	.019778
2	.050935	.070713
3	.100786	.171499
4	.147962	.319461
5	.171888	.491349
6	.164573	.655922
7	.133560	.789482
8	.093776	.883258
9	.057862	.941119
10	.031762	.972882
11	.015666	.988548
12	.007000	.995548
13	.002853	.998400
14	.001066	.999467
15	.000368	.999834
16	.000117	.999952
17	.000035	.999987
18	.000010	.999996
19	.000002	.999999
20	.000001	.999999
21	.000000	.999999

n-
95

50-100 BINOMIAL TABLES

p=.07

x	Individual Term	Cumulative (x or less)
0	.001014	.001014
1	.007248	.008262
2	.025641	.033902
3	.059829	.093731
4	.103574	.197305
5	.141885	.339191
6	.160193	.499384
7	.153303	.652687
8	.126928	.779615
9	.092353	.871968
10	.059781	.931749
11	.034770	.966519
12	.018320	.984839
13	.008804	.993643
14	.003881	.997524
15	.001578	.999102
16	.000594	.999695
17	.000208	.999903
18	.000068	.999971
19	.000021	.999991
20	.000006	.999997
21	.000002	.999999
22	.000000	.999999

p=.08

x	Individual Term	Cumulative (x or less)
0	.000363	.000363
1	.002998	.003361
2	.012254	.015615
3	.033032	.048647
4	.066064	.114711
5	.104553	.219264
6	.136374	.355637
7	.150773	.506411
8	.144218	.650628
9	.121227	.771855
10	.090656	.862511
11	.060915	.923427
12	.037079	.960506
13	.020586	.981091
14	.010485	.991576
15	.004923	.996499
16	.002141	.998640
17	.000865	.999505
18	.000326	.999830
19	.000115	.999945
20	.000038	.999983
21	.000012	.999995
22	.000003	.999999
23	.000001	1.000000
24	.000000	1.000000

p=.09

x	Individual Term	Cumulative (x or less)
0	.000129	.000129
1	.001207	.001336
2	.005612	.006948
3	.017208	.024156
4	.039142	.063298
5	.070456	.133755
6	.104523	.238278
7	.131433	.369711
8	.142988	.512699
9	.136703	.649402
10	.116272	.765674
11	.088859	.854533
12	.061518	.916051
13	.038845	.954897
14	.022502	.977399
15	.012018	.989417
16	.005943	.995359
17	.002731	.998091
18	.001171	.999261
19	.000469	.999731
20	.000176	.999907
21	.000062	.999965
22	.000021	.999990
23	.000007	.999996
24	.000002	.999998
25	.000001	.999999
26	.000000	.999999

50-100 BINOMIAL TABLES

n= 95

p=.10

x	Individual Term	Cumulative (x or less)
0	.000045	.000045
1	.000475	.000520
2	.002480	.002999
3	.008541	.011540
4	.021826	.033366
5	.044138	.077504
6	.073563	.151067
7	.103922	.254988
8	.127016	.392004
9	.136424	.518428
10	.130361	.648789
11	.111926	.760714
12	.087053	.847768
13	.061756	.909524
14	.040190	.949714
15	.024114	.973828
16	.013397	.987225
17	.006917	.994142
18	.003331	.997473
19	.001500	.998973
20	.000633	.999606
21	.000251	.999857
22	.000094	.999951
23	.000033	.999984
24	.000011	.999995
25	.000003	.999999
26	.000001	1.000000
27	.000000	1.000000

p=.11

x	Individual Term	Cumulative (x or less)
0	.000016	.000016
1	.000183	.000198
2	.001061	.001260
3	.004067	.005326
4	.011560	.016887
5	.026004	.042891
6	.048210	.091101
7	.075759	.166861
8	.102998	.269859
9	.123058	.392917
10	.130801	.523717
11	.124922	.648639
12	.108079	.756718
13	.085286	.842004
14	.061740	.903744
15	.041206	.944950
16	.025464	.970114
17	.014626	.985040
18	.007833	.992873
19	.003924	.996797
20	.001843	.998640
21	.000813	.999453
22	.000338	.999791
23	.000133	.999924
24	.000049	.999973
25	.000017	.999990
26	.000006	.999996
27	.000002	.999998
28	.000001	.999998
29	.000000	.999999

p=.12

x	Individual Term	Cumulative (x or less)
0	.000005	.000005
1	.000069	.000074
2	.000442	.000516
3	.001867	.002383
4	.005855	.008238
5	.014532	.022770
6	.029725	.052495
7	.051536	.104031
8	.077304	.181335
9	.101901	.283235
10	.119501	.402737
11	.125921	.528658
12	.120197	.648855
13	.104647	.753502
14	.083582	.837084
15	.061547	.898630
16	.041964	.940594
17	.026592	.967186
18	.015713	.982899
19	.008684	.991583
20	.004500	.996083
21	.002191	.998274
22	.001005	.999279
23	.000435	.999714
24	.000178	.999892
25	.000069	.999961
26	.000025	.999986
27	.000009	.999995
28	.000003	.999998
29	.000001	.999999
30	.000000	.999999

50-100 BINOMIAL TABLES

p=.13

x	Individual Term	Cumulative (x or less)
0	.000002	.000002
1	.000025	.000027
2	.000179	.000206
3	.000829	.001036
4	.002851	.003886
5	.007752	.011639
6	.017376	.029015
7	.033011	.062026
8	.054260	.116286
9	.078376	.194662
10	.100717	.295379
11	.116293	.411672
12	.121640	.533311
13	.116047	.649358
14	.101565	.750923
15	.081952	.832875
16	.061229	.894104
17	.042517	.936621
18	.027530	.964150
19	.016671	.980822
20	.009466	.990288
21	.005052	.995339
22	.002539	.997878
23	.001204	.999083
24	.000540	.999622
25	.000229	.999852
26	.000092	.999944
27	.000035	.999979
28	.000013	.999992
29	.000004	.999996
30	.000001	.999998
31	.000000	.999998

p=.14

x	Individual Term	Cumulative (x or less)
0	.000001	.000001
1	.000009	.000010
2	.000071	.000081
3	.000358	.000438
4	.001339	.001777
5	.003967	.005745
6	.009687	.015432
7	.020051	.035482
8	.035904	.071387
9	.056501	.127888
10	.079101	.206989
11	.09503	.306492
12	.113388	.419880
13	.117850	.537730
14	.112369	.650098
15	.098780	.748878
16	.080402	.829280
17	.060824	.890104
18	.042907	.933011
19	.028307	.961318
20	.017511	.978829
21	.010181	.989010
22	.005575	.994584
23	.002880	.997465
24	.001407	.998871
25	.000650	.999522
26	.000285	.999807
27	.000119	.999925
28	.000047	.999972
29	.000018	.999990
30	.000006	.999996
31	.000002	.999998
32	.000001	.999999
33	.000000	.999999
34	.000000	.999999

p=.15

x	Individual Term	Cumulative (x or less)
1	.000003	.000004
2	.000027	.000031
3	.000150	.000181
4	.000609	.000790
5	.001955	.002745
6	.005175	.007920
7	.011611	.019531
8	.022539	.042070
9	.038449	.080518
10	.058352	.138870
11	.079571	.218441
12	.098293	.316734
13	.110747	.427481
14	.114469	.541950
15	.109082	.651032
16	.096249	.747281
17	.078931	.826212
18	.060359	.886571
19	.043167	.929738
20	.028947	.958685
21	.018244	.976929
22	.010829	.987759
23	.006066	.993824
24	.003211	.997035
25	.001609	.998645
26	.000765	.999405
27	.000345	.999754
28	.000148	.999902
29	.000060	.999962
30	.000023	.999986
31	.000009	.999991
32	.000003	.999998
33	.000001	.999999
34	.000000	.999999

50-100 BINOMIAL TABLES

n=

95

p=.16

p=.17

p=.18

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
1	.000001	.000001	2	.000004	.000004	2	.000001	.000002
2	.000010	.000012	3	.000024	.000029	3	.000010	.000011
3	.000061	.000073	4	.000115	.000144	4	.000048	.000059
4	.000268	.000341	5	.000429	.000573	5	.000192	.000251
5	.000931	.001272	6	.001317	.001890	6	.000631	.000882
6	.002659	.003930	7	.003431	.005321	7	.001762	.002643
7	.006438	.010369	8	.007729	.013050	8	.00253	.006897
8	.013490	.023859	9	.015304	.028353	9	.009026	.015923
9	.024839	.048698	10	.026956	.055310	10	.017039	.032961
10	.040689	.089386	11	.042664	.097973	11	.028902	.061863
11	.059888	.149274	12	.061168	.159142	12	.044410	.106272
12	.079851	.229125	13	.079989	.239131	13	.062240	.168513
13	.097108	.326233	14	.095960	.335091	14	.080023	.248536
14	.108338	.434570	15	.106134	.441224	15	.094857	.343392
15	.111433	.546003	16	.108691	.549915	16	.104111	.447503
16	.106127	.652130	17	.103453	.653368	17	.106202	.553706
17	.093938	.746069	18	.091820	.745188	18	.101022	.654727
18	.077537	.823605	19	.076216	.821403	19	.089869	.744596
19	.059853	.883458	20	.059320	.880723	20	.074964	.819560
20	.043322	.926780	21	.043392	.924115	21	.058770	.878329
21	.029471	.956250	22	.029894	.954009	22	.043393	.921722
22	.018882	.975132	23	.019434	.973443	23	.030232	.951955
23	.011415	.986547	24	.011941	.985384	24	.019909	.971864
24	.006523	.993070	25	.006946	.992330	25	.012412	.984276
25	.003529	.996599	26	.003830	.996161	26	.007335	.991611
26	.001810	.998408	27	.002005	.998166	27	.004115	.995726
27	.000881	.999289	28	.000997	.999163	28	.002194	.997920
28	.000407	.999696	29	.000472	.999635	29	.001113	.999032
29	.000179	.999876	30	.000213	.999847	30	.000537	.999569
30	.000075	.999951	31	.000091	.999939	31	.000247	.999817
31	.000030	.999981	32	.000037	.999976	32	.000109	.999925
32	.000011	.999992	33	.000015	.999991	33	.000045	.999971
33	.000004	.999996	34	.000005	.999996	34	.000018	.999989
34	.000001	.999998	35	.000002	.999998	35	.000007	.999996
35	.000000	.999998	36	.000001	.999999	36	.000003	.999998
36			37	.000000	.999999	37	.000001	.999999
37			38	.000000		38	.000000	1.000000

p=.19			p=.20			p=.21		
x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
2	.000000	.000001	2	.000000	.000000	3	.000000	.000001
3	.000004	.000004	3	.000001	.000002	4	.000003	.000004
4	.000020	.000024	4	.000008	.000009	5	.000014	.000018
5	.000083	.000107	5	.000035	.000044	6	.000058	.000076
6	.000293	.000400	6	.000132	.000176	7	.000195	.000271
7	.000874	.001273	7	.000419	.000596	8	.000570	.000841
8	.002254	.003528	8	.001153	.001749	9	.001465	.002306
9	.005111	.008639	9	.002786	.004535	10	.003350	.005656
10	.010311	.018950	10	.005991	.010526	11	.006881	.012537
11	.018689	.027639	11	.011573	.022099	12	.012804	.025341
12	.030687	.068326	12	.020253	.042352	13	.021730	.047071
13	.045958	.114284	13	.032327	.074678	14	.033833	.080904
14	.063142	.177426	14	.047336	.122014	15	.048566	.129470
15	.079979	.257405	15	.063903	.185917	16	.066549	.194019
16	.093803	.351208	16	.079879	.265796	17	.079737	.273756
17	.102250	.453458	17	.092800	.358596	18	.091849	.365605
18	.103933	.557391	18	.100534	.459129	19	.098947	.464553
19	.098801	.656191	19	.101856	.560986	20	.099949	.560502
20	.088067	.744258	20	.096764	.657749	21	.094889	.659391
21	.073777	.818035	21	.086396	.744145	22	.084843	.744234
22	.058210	.876245	22	.072651	.816797	23	.071582	.815816
23	.043337	.919583	23	.057647	.874444	24	.057084	.872900
24	.030497	.950079	24	.043235	.917679	25	.043095	.915995
25	.020316	.970396	25	.030697	.948376	26	.030842	.946837
26	.012830	.983226	26	.020662	.969038	27	.020952	.967789
27	.007691	.990917	27	.013200	.982238	28	.013526	.981315
28	.004381	.995298	28	.008015	.990253	29	.008307	.985622
29	.002374	.997673	29	.004629	.994882	30	.004858	.994480
30	.001225	.998898	30	.002546	.997428	31	.002708	.997187
31	.000603	.999500	31	.001335	.998762	32	.001440	.998627
32	.000283	.999783	32	.000667	.999430	33	.000731	.999357
33	.000127	.999910	33	.000318	.999748	34	.000354	.999711
34	.000054	.999964	34	.000145	.999893	35	.000164	.999875
35	.000022	.999986	35	.000063	.999957	36	.000073	.999948
36	.000009	.999995	36	.000026	.999983	37	.000031	.999979
37	.000003	.999998	37	.000011	.999994	38	.000013	.999991
38	.000001	.999999	38	.000004	.999998	39	.000005	.999996
39	.000000	1.000000	39	.000001	.999999	40	.000002	.999998
			40	.000001	1.000000	41	.000001	.999999
			41	.000000	1.000000	42	.000000	.999999

50-100 BINOMIAL TABLES

n=95

p=.22

p=.23

p=.24

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
3	.000000	.000000	5	.000002	.000003	5	.000001	.000001
4	.000001	.000001	6	.000010	.000013	6	.000004	.000005
5	.000006	.000007	7	.000039	.000052	7	.000016	.000022
6	.000025	.000032	8	.000127	.000178	8	.000057	.000079
7	.000088	.000120	9	.000366	.000545	9	.000175	.000253
8	.000273	.000393	10	.000941	.001485	10	.000474	.000727
9	.000745	.001138	11	.002172	.003657	11	.001157	.001884
10	.001806	.002944	12	.004541	.008198	12	.002557	.004441
11	.003937	.006881	13	.008660	.016857	13	.005155	.009596
12	.007773	.014654	14	.015150	.032007	14	.009535	.019132
13	.013997	.028651	15	.024437	.056444	15	.016260	.035392
14	.023124	.051775	16	.036497	.092941	16	.025674	.061066
15	.035219	.086994	17	.050661	.143602	17	.037677	.098743
16	.049668	.136662	18	.065574	.209175	18	.051557	.150300
17	.065100	.201763	19	.079378	.288554	19	.065982	.216282
18	.079567	.281330	20	.090100	.378653	20	.079178	.295460
19	.090949	.372279	21	.096117	.474771	21	.089299	.384759
20	.097479	.469758	22	.096571	.571342	22	.094853	.479613
21	.098193	.567951	23	.091555	.662897	23	.095070	.574683
22	.093158	.661109	24	.082042	.744939	24	.090067	.664750
23	.083395	.744504	25	.069598	.814537	25	.080776	.745526
24	.070365	.815070	26	.055970	.870507	26	.068676	.814202
25	.056525	.871594	27	.042725	.913232	27	.055422	.869624
26	.042923	.914517	28	.030993	.944225	28	.042504	.912129
27	.030939	.945456	29	.021388	.965613	29	.031011	.943139
28	.021193	.966648	30	.014055	.979669	30	.021544	.964683
29	.013810	.980458	31	.008803	.988472	31	.014265	.978948
30	.008569	.989027	32	.005259	.993730	32	.009010	.987958
31	.005068	.994095	33	.002999	.996729	33	.005432	.993390
32	.002859	.996954	34	.001633	.998363	34	.003128	.996517
33	.001539	.998493	35	.000850	.999213	35	.001721	.998239
34	.000792	.999285	36	.000423	.999637	36	.000906	.999145
35	.000389	.999674	37	.000202	.999838	37	.000456	.999601
36	.000183	.999857	38	.000092	.999930	38	.000220	.999821
37	.000082	.999939	39	.000040	.999970	39	.000101	.999923
38	.000035	.999975	40	.000017	.999987	40	.000045	.999967
39	.000015	.999989	41	.000007	.999994	41	.000019	.999986
40	.000006	.999995	42	.000003	.999996	42	.000008	.999994
41	.000002	.999997	43	.000001	.999997	43	.000003	.999997
42	.000001	.999998	44	.000000	.999998	44	.000001	.999998
43	.000000	.999999				45	.000000	.999999

50-100 BINOMIAL TABLES

p=.25

p=.26

p=.27

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
6	.000002	.000002	6	.000001	.000001	7	.000001	.000001
7	.000007	.000009	7	.000003	.000004	8	.000004	.000006
8	.000025	.000034	8	.000011	.000014	9	.000016	.000022
9	.000081	.000115	9	.000036	.000050	10	.000050	.000072
10	.000231	.000346	10	.000109	.000160	11	.000143	.000215
11	.000596	.000942	11	.000297	.000457	12	.000371	.000587
12	.001390	.002332	12	.000730	.001187	13	.000877	.001464
13	.002958	.005290	13	.001639	.002826	14	.001900	.003363
14	.005776	.011065	14	.003372	.006198	15	.003795	.007158
15	.010396	.021462	15	.006397	.012595	16	.007017	.014175
16	.017327	.038789	16	.011239	.023834	17	.012061	.026236
17	.026840	.065628	17	.018350	.042184	18	.019331	.045567
18	.038769	.104397	18	.027939	.070123	19	.028975	.074542
19	.052372	.156768	19	.039782	.109904	20	.040724	.115267
20	.066337	.223106	20	.053114	.163018	21	.053794	.169061
21	.078973	.302079	21	.066649	.229667	22	.066924	.235985
22	.088545	.390624	22	.078767	.308434	23	.078564	.314549
23	.093678	.484302	23	.087837	.396271	24	.087173	.401722
24	.093678	.577981	24	.092585	.488856	25	.091568	.493290
25	.088682	.666663	25	.092385	.581241	26	.091182	.584471
26	.079587	.762550	26	.087391	.668632	27	.086185	.670657
27	.067796	.814046	27	.078468	.747101	28	.077415	.748072
28	.054882	.868928	28	.066956	.844056	29	.066152	.814224
29	.042266	.911194	29	.054351	.868407	30	.053828	.868052
30	.030995	.942189	30	.042012	.910419	31	.041745	.909796
31	.021663	.963852	31	.030950	.941369	32	.030880	.940676
32	.014442	.978294	32	.021749	.963118	33	.021804	.962480
33	.009190	.987485	33	.014588	.977706	34	.014706	.977186
34	.005586	.993071	34	.009347	.987053	35	.009480	.986666
35	.003245	.996316	35	.005723	.992776	36	.005844	.992509
36	.001803	.998119	36	.003352	.996128	37	.003446	.995956
37	.000958	.999078	37	.001878	.998006	38	.001946	.997901
38	.000488	.999565	38	.001007	.999013	39	.001052	.998953
39	.000238	.999803	39	.000517	.999530	40	.000545	.999498
40	.000111	.999914	40	.000254	.999784	41	.000270	.999768
41	.000050	.999963	41	.000120	.999904	42	.000128	.999896
42	.000021	.999984	42	.000054	.999958	43	.000059	.999955
43	.000009	.999993	43	.000023	.999982	44	.000026	.999981
44	.000003	.999996	44	.000010	.999992	45	.000011	.999991
45	.000001	.999998	45	.000004	.999995	46	.000004	.999996
46	.000000	.999998	46	.000001	.999997	47	.000002	.999997
			47	.000001	.999997	48	.000001	.999998
			48	.000000	.999998	49	.000000	.999998

50-100 BINOMIAL TABLES

n=

95

p=.28

p=.29

p=.30

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
7	.000000	.000001	8	.000001	.000001	8	.000000	.000000
8	.000002	.000002	9	.000003	.000004	9	.000001	.000001
9	.000007	.000009	10	.000010	.000013	10	.000004	.000006
10	.000022	.000031	11	.000031	.000044	11	.000013	.000019
11	.000067	.000099	12	.000087	.000131	12	.000040	.000059
12	.000183	.000281	13	.000228	.000359	13	.000111	.000170
13	.000454	.000735	14	.000544	.000903	14	.000277	.000447
14	.001034	.001770	15	.001201	.002104	15	.000642	.001089
15	.002172	.003942	16	.002453	.004557	16	.001376	.002465
16	.004223	.008165	17	.004655	.009212	17	.002740	.005205
17	.007632	.015797	18	.008239	.017451	18	.005088	.010293
18	.012861	.028658	19	.013639	.031090	19	.008838	.019131
19	.020270	.048928	20	.021169	.052259	20	.014393	.033523
20	.029954	.078882	21	.030880	.083139	21	.022030	.055553
21	.041603	.120486	22	.042426	.125565	22	.031757	.087310
22	.054421	.174906	23	.055000	.180565	23	.043197	.130507
23	.067171	.242078	24	.067394	.247959	24	.055539	.186047
24	.078366	.320444	25	.078177	.326136	25	.067599	.253646
25	.086551	.406995	26	.085970	.412106	26	.077999	.331645
26	.090620	.497615	27	.089737	.501843	27	.085428	.417073
27	.090061	.587676	28	.089015	.590858	28	.088914	.505987
28	.085057	.672733	29	.084000	.674857	29	.088038	.594026
29	.076421	.749154	30	.075481	.750339	30	.083008	.677033
30	.065383	.814537	31	.064644	.814983	31	.074592	.751626
31	.053314	.867850	32	.052808	.867791	32	.063936	.815562
32	.041466	.909317	33	.041178	.908970	33	.052311	.867873
33	.030786	.940102	34	.030670	.939640	34	.040882	.908755
34	.021832	.961934	35	.021833	.961473	35	.030536	.939292
35	.014797	.976731	36	.014863	.976337	36	.021812	.961103
36	.009591	.986321	37	.009681	.986017	37	.014906	.976009
37	.005947	.992268	38	.006035	.992052	38	.009751	.985760
38	.003530	.995799	39	.003603	.995655	39	.006108	.991868
39	.002006	.997805	40	.002060	.997715	40	.003665	.995532
40	.001092	.998897	41	.001129	.998844	41	.002107	.997639
41	.000570	.999467	42	.000593	.999437	42	.001161	.998800
42	.000285	.999752	43	.000298	.999735	43	.000613	.999413
43	.000137	.999889	44	.000144	.999879	44	.000311	.999724
44	.000063	.999952	45	.000067	.999946	45	.000151	.999874
45	.000028	.999979	46	.000030	.999975	46	.000070	.999945
46	.000012	.999991	47	.000013	.999988	47	.000031	.999976
47	.000005	.999996	48	.000005	.999993	48	.000013	.999990
48	.000002	.999997	49	.000002	.999995	49	.000006	.999995
49	.000001	.999998	50	.000001	.999996	50	.000002	.999997
50	.000000	.999998	51	.000000	.999996	51	.000001	.999998
			51	.000000	.999996	52	.000000	.999998

p=.31

x	Individual Term	Cumulative (x or less)
9	.000000	.000001
10	.000002	.000002
11	.000006	.000008
12	.000018	.000026
13	.000052	.000078
14	.000137	.000215
15	.000332	.000547
16	.000746	.001293
17	.001557	.002850
18	.003032	.005882
19	.005521	.011403
20	.009425	.020828
21	.015123	.035951
22	.022854	.058804
23	.032588	.091393
24	.043923	.135316
25	.056044	.191360
26	.067790	.259150
27	.077833	.336982
28	.084923	.421905
29	.088148	.510054
30	.087126	.597180
31	.082076	.679256
32	.073749	.753005
33	.063255	.816260
34	.051823	.868083
35	.040578	.908661
36	.030385	.939046
37	.021768	.960814
38	.014927	.975741
39	.009802	.985543
40	.006165	.991708
41	.003716	.995424
42	.002146	.997570
43	.001189	.998759
44	.000631	.999390
45	.000321	.999711
46	.000157	.999868
47	.000073	.999941
48	.000033	.999974
49	.000014	.999989
50	.000006	.999994
51	.000002	.999997
52	.000001	.999998
53	.000000	.999998

p=.32

x	Individual Term	Cumulative (x or less)
9	.000000	.000000
10	.000001	.000001
11	.000002	.000003
12	.000008	.000011
13	.000024	.000035
14	.000065	.000100
15	.000166	.000267
16	.000391	.000658
17	.000856	.001513
18	.001745	.003258
19	.003327	.006586
20	.005950	.012536
21	.010000	.022536
22	.015829	.038365
23	.023643	.062008
24	.033378	.095386
25	.044609	.139995
26	.056518	.196514
27	.067969	.264483
28	.077679	.342162
29	.084455	.426617
30	.087135	.514052
31	.086274	.600326
32	.081199	.681525
33	.072949	.754474
34	.062600	.817074
35	.051342	.868416
36	.040268	.908685
37	.030217	.938902
38	.021704	.960606
39	.014928	.975534
40	.009835	.985369
41	.006208	.991577
42	.003756	.995333
43	.002179	.997512
44	.001212	.998724
45	.000646	.999370
46	.000331	.999701
47	.000162	.999863
48	.000076	.999939
49	.000034	.999974
50	.000015	.999989
51	.000006	.999995
52	.000002	.999997
53	.000001	.999998
54	.000000	.999998

p=.33

x	Individual Term	Cumulative (x or less)
11	.000001	.000001
12	.000003	.000005
13	.000011	.000015
14	.000030	.000045
15	.000081	.000126
16	.000199	.000325
17	.000455	.000779
18	.000970	.001749
19	.001937	.003686
20	.003625	.007311
21	.006376	.013686
22	.010563	.024249
23	.016513	.040762
24	.024399	.065161
25	.034130	.099291
26	.045258	.144549
27	.056967	.201516
28	.068141	.269657
29	.077540	.347198
30	.084021	.431219
31	.086772	.517991
32	.085477	.603468
33	.080374	.683842
34	.072188	.756030
35	.061968	.817998
36	.050869	.868867
37	.039953	.908820
38	.030035	.938855
39	.021621	.960476
40	.014909	.975385
41	.009851	.985235
42	.006238	.991473
43	.003787	.995260
44	.002204	.997465
45	.001230	.998695
46	.000659	.999354
47	.000338	.999692
48	.000167	.999859
49	.000079	.999938
50	.000036	.999973
51	.000016	.999989
52	.000006	.999995
53	.000003	.999998
54	.000001	.999999
55	.000000	.999999

50-100 BINOMIAL TABLES

n= 95

p=.34

p=.35

p=.36

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
11	.000000	.000001	12	.000001	.000001	12	.000000	.000000
12	.000001	.000002	13	.000002	.000003	13	.000001	.000001
13	.000005	.000006	14	.000006	.000009	14	.000003	.000004
14	.000014	.000020	15	.000017	.000026	15	.000008	.000011
15	.000038	.000058	16	.000046	.000072	16	.000021	.000033
16	.000098	.000156	17	.000116	.000189	17	.000056	.000089
17	.000234	.000389	18	.000271	.000460	18	.000137	.000225
18	.000522	.000911	19	.000592	.001052	19	.000311	.000536
19	.001089	.002000	20	.001211	.002263	20	.000665	.001201
20	.002132	.004132	21	.002329	.004592	21	.001336	.002538
21	.003922	.008054	22	.004219	.008811	22	.002528	.005066
22	.006796	.014850	23	.007210	.016021	23	.004514	.009579
23	.011112	.025962	24	.011647	.027668	24	.007617	.017196
24	.017173	.043134	25	.017811	.045479	25	.012168	.029364
25	.025124	.068259	26	.025820	.071299	26	.018427	.047791
26	.034846	.103105	27	.035531	.106830	27	.026489	.074280
27	.045875	.148980	28	.046463	.153293	28	.036186	.110465
28	.057394	.206374	29	.057802	.211095	29	.047026	.157491
29	.068309	.274682	30	.068473	.279568	30	.058194	.215686
30	.077416	.352099	31	.077308	.356876	31	.068637	.284322
31	.083622	.435720	32	.083255	.440131	32	.077216	.361538
32	.086156	.521876	33	.085584	.525714	33	.082920	.444458
33	.084732	.606607	34	.084035	.609749	34	.085053	.529511
34	.079596	.686204	35	.078863	.688612	35	.083383	.612894
35	.071464	.757668	36	.070775	.759387	36	.078171	.691065
36	.061358	.819026	37	.060769	.821056	37	.070117	.761182
37	.050403	.869430	38	.049944	.870100	38	.060199	.821381
38	.039631	.909061	39	.039305	.909405	39	.049490	.870871
39	.029839	.938900	40	.029630	.939035	40	.038974	.909845
40	.021520	.960420	41	.021402	.960437	41	.029408	.939253
41	.014872	.975292	42	.014817	.975254	42	.021269	.960522
42	.009850	.985142	43	.009834	.985088	43	.014746	.975268
43	.006254	.991396	44	.006258	.991346	44	.009803	.985070
44	.003808	.995204	45	.003819	.995165	45	.006249	.991319
45	.002223	.997427	46	.002235	.997400	46	.003821	.995140
46	.001245	.998672	47	.001255	.998655	47	.002241	.997381
47	.000669	.999340	48	.000676	.999330	48	.001260	.998641
48	.000344	.999685	49	.000349	.999679	49	.000680	.999321
49	.000170	.999855	50	.000173	.999852	50	.000352	.999673
50	.000081	.999936	51	.000082	.999934	51	.000175	.999848
51	.000037	.999972	52	.000037	.999972	52	.000083	.999931
52	.000016	.999988	53	.000016	.999988	53	.000038	.999969
53	.000007	.999995	54	.000007	.999995	54	.000017	.999985
54	.000003	.999998	55	.000003	.999998	55	.000007	.999992
55	.000001	.999999	56	.000001	.999999	56	.000003	.999995
56	.000000	.999999	57	.000000	.999999	57	.000001	.999996
						58	.000000	.999997

50-100 BINOMIAL TABLES

p=.37

p=.38

p=.39

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
14	.000001	.000001	14	.000000	.000001	15	.000001	.000001
15	.000003	.000005	15	.000001	.000002	16	.000002	.000002
16	.000010	.000014	16	.000004	.000006	17	.000005	.000008
17	.000026	.000040	17	.000012	.000018	18	.000014	.000022
18	.000066	.000107	18	.000031	.000049	19	.000037	.000059
19	.000158	.000265	19	.000078	.000127	20	.000090	.000149
20	.000353	.000618	20	.000181	.000308	21	.000206	.000355
21	.000741	.001359	21	.000397	.000705	22	.000442	.000797
22	.001463	.002822	22	.000818	.001523	23	.000897	.001694
23	.002728	.005550	23	.001592	.003115	24	.001721	.003414
24	.004806	.010355	24	.002926	.006041	25	.003124	.006539
25	.008015	.018371	25	.005094	.011135	26	.005378	.011917
26	.012674	.031045	26	.008406	.019541	27	.008787	.020703
27	.019022	.050067	27	.013166	.032707	28	.013643	.034347
28	.027131	.077199	28	.019597	.052304	29	.020152	.054499
29	.036814	.114012	29	.027750	.080054	30	.028346	.082845
30	.047566	.161578	30	.037418	.117472	31	.037999	.120843
31	.058574	.220153	31	.048086	.165558	32	.048589	.169432
32	.068802	.288954	32	.058944	.224502	33	.059306	.228738
33	.077141	.366096	33	.068970	.293472	34	.069142	.297880
34	.082615	.448711	34	.077084	.370556	35	.077044	.374925
35	.084564	.533275	35	.082341	.452897	36	.082096	.457021
36	.082774	.616048	36	.084112	.537010	37	.083697	.540718
37	.077518	.693567	37	.082206	.619215	38	.081675	.622393
38	.069488	.763055	38	.079602	.696117	39	.076319	.698712
39	.059646	.822701	39	.068887	.765004	40	.068312	.767024
40	.049042	.871743	40	.059110	.824114	41	.058588	.825612
41	.038638	.910381	41	.048599	.872713	42	.048160	.873773
42	.029175	.939556	42	.038297	.911011	43	.037952	.911724
43	.021120	.960676	43	.028931	.939942	44	.028676	.940400
44	.014659	.975335	44	.020956	.960898	45	.020778	.961178
45	.009757	.985092	45	.014557	.975454	46	.014440	.975618
46	.006229	.991320	46	.009698	.985152	47	.009625	.985243
47	.003814	.995134	47	.006197	.991348	48	.006154	.991396
48	.002240	.997374	48	.003798	.995146	49	.003774	.995170
49	.001262	.998636	49	.002233	.997379	50	.002220	.997389
50	.000682	.999317	50	.001259	.998638	51	.001252	.998612
51	.000353	.999671	51	.000681	.999319	52	.000677	.999319
52	.000176	.999846	52	.000353	.999672	53	.000351	.999670
53	.000084	.999930	53	.000176	.999847	54	.000175	.999845
54	.000038	.999968	54	.000084	.999931	55	.000083	.999928
55	.000017	.999985	55	.000038	.999969	56	.000038	.999966
56	.000007	.999992	56	.000017	.999986	57	.000017	.999983
57	.000003	.999995	57	.000007	.999993	58	.000007	.999990
58	.000001	.999996	58	.000003	.999996	59	.000003	.999993
59	.000000	.999996	59	.000001	.999997	60	.000001	.999994
			60	.000000	.999997	61	.000000	.999994

50-100 BINOMIAL TABLES

n= 95

p=.40

p=.41

p=.42

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
15	.000000	.000000	17	.000001	.000001	17	.000000	.000001
16	.000001	.000001	18	.000003	.000004	18	.000001	.000002
17	.000002	.000003	19	.000008	.000012	19	.000003	.000005
18	.000006	.000010	20	.000020	.000032	20	.000009	.000014
19	.000017	.000027	21	.000050	.000082	21	.000023	.000037
20	.000043	.000070	22	.000117	.000198	22	.000057	.000094
21	.000103	.000173	23	.000257	.000455	23	.000131	.000225
22	.000231	.000404	24	.000536	.000991	24	.000284	.000509
23	.000489	.000892	25	.001058	.002048	25	.000584	.001092
24	.000977	.001869	26	.001979	.004027	26	.001138	.002231
25	.001850	.003719	27	.003514	.007541	27	.002106	.004537
26	.003320	.007039	28	.005930	.013470	28	.003704	.008041
27	.005657	.012696	29	.009520	.022991	29	.006197	.014237
28	.009158	.021854	30	.014555	.037546	30	.009872	.024109
29	.014106	.035961	31	.021207	.058753	31	.014989	.039099
30	.020689	.056650	32	.029475	.088228	32	.021709	.060807
31	.028920	.085570	33	.039103	.127331	33	.030011	.090818
32	.038560	.124130	34	.049551	.176882	34	.039629	.130447
33	.049077	.173206	35	.060013	.236895	35	.050014	.180461
34	.059662	.232868	36	.069507	.306402	36	.060362	.240823
35	.069321	.302189	37	.077021	.383424	37	.069701	.310524
36	.077023	.379213	38	.081693	.465117	38	.077038	.387562
37	.081881	.461093	39	.082971	.548088	39	.081533	.469095
38	.083317	.544411	40	.080721	.628810	40	.082658	.551752
39	.081181	.625592	41	.075249	.704058	41	.080294	.632046
40	.075769	.701361	42	.067232	.771290	42	.074756	.706803
41	.067761	.769121	43	.057586	.828876	43	.066723	.773526
42	.058081	.827202	44	.047293	.876168	44	.057102	.830628
43	.047725	.874927	45	.037247	.913415	45	.046863	.877490
44	.037602	.912529	46	.028134	.941549	46	.036886	.914376
45	.026410	.940939	47	.020383	.961931	47	.027847	.942224
46	.020587	.961526	48	.014164	.976076	48	.020165	.962389
47	.011309	.975835	49	.009441	.985537	49	.014006	.976395
48	.009539	.985374	50	.006036	.991573	50	.009333	.985726
49	.006100	.991474	51	.003701	.995274	51	.005962	.991688
50	.003741	.995215	52	.002176	.997450	52	.003653	.995342
51	.002201	.997416	53	.001227	.998677	53	.002146	.997488
52	.001241	.998657	54	.000663	.999340	54	.001209	.999697
53	.000671	.999329	55	.000344	.999684	55	.000653	.999349
54	.000348	.999677	56	.000171	.999854	56	.000338	.999687
55	.000173	.999850	57	.000081	.999935	57	.000167	.999854
56	.000082	.999932	58	.000037	.999972	58	.000079	.999933
57	.000038	.999970	59	.000016	.999988	59	.000036	.999969
58	.000016	.999986	60	.000007	.999995	60	.000016	.999985
59	.000007	.999993	61	.000003	.999998	61	.000007	.999991
60	.000003	.999996	62	.000001	.999999	62	.000003	.999994
61	.000001	.999997	63	.000000	.999999	63	.000001	.999995
62	.000000	.999998				64	.000000	.999995

50-100 BINOMIAL TABLES

p=.43			p=.44			p=.45		
x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
18	.000000	.000001	18	.000000	.000000	20	.000001	.000001
19	.000001	.000002	19	.000001	.000001	21	.000002	.000003
20	.000004	.000006	20	.000002	.000002	22	.000005	.000008
21	.000011	.000016	21	.000005	.000007	23	.000014	.000022
22	.000027	.000043	22	.000012	.000019	24	.000034	.000056
23	.000064	.000107	23	.000030	.000050	25	.000080	.000136
24	.000145	.000253	24	.000072	.000121	26	.000175	.000311
25	.000311	.000564	25	.000160	.000282	27	.000366	.000678
26	.000632	.001196	26	.000339	.000620	28	.000728	.001406
27	.001218	.002414	27	.000680	.001301	29	.001377	.002783
28	.002232	.004647	28	.001298	.002599	30	.002478	.005260
29	.003891	.008537	29	.002356	.004955	31	.004251	.009511
30	.006457	.014994	30	.004073	.009028	32	.006956	.016467
31	.010213	.025208	31	.006710	.015738	33	.010865	.027331
32	.015410	.040617	32	.01054	.026282	34	.016210	.043541
33	.022193	.062810	33	.015817	.042099	35	.023115	.066656
34	.030530	.093340	34	.022662	.064761	36	.031520	.098176
35	.040140	.133480	35	.031033	.095793	37	.041123	.139300
36	.050469	.183949	36	.040638	.136431	38	.051355	.190655
37	.060711	.244660	37	.050915	.187346	39	.061411	.252066
38	.069904	.314564	38	.061060	.248406	40	.070343	.322409
39	.077074	.391638	39	.070118	.318524	41	.077206	.399615
40	.081401	.473038	40	.077130	.395653	42	.081217	.480831
41	.082376	.555414	41	.081295	.476949	43	.081903	.562735
42	.079898	.635313	42	.082125	.559073	44	.079196	.641931
43	.074292	.709604	43	.079533	.638606	45	.073436	.715367
44	.066234	.775839	44	.073852	.712458	46	.065309	.780676
45	.056628	.832467	45	.065763	.778221	47	.055708	.836384
46	.046344	.878902	46	.056164	.834386	48	.045580	.881964
47	.036520	.915422	47	.046007	.880393	49	.035770	.917734
48	.027550	.942972	48	.036118	.916541	50	.026925	.944659
49	.019935	.962907	49	.027243	.943784	51	.019438	.964097
50	.013836	.976743	50	.019693	.963177	52	.013457	.977554
51	.009210	.985953	51	.013653	.977129	53	.008933	.986187
52	.005879	.991832	52	.009077	.986206	54	.005685	.992172
53	.003598	.995430	53	.005786	.991192	55	.003467	.995639
54	.002111	.997541	54	.003536	.995528	56	.002026	.997665
55	.001187	.998728	55	.002071	.997599	57	.001134	.998799
56	.000640	.999368	56	.001162	.998762	58	.000608	.999407
57	.000330	.999698	57	.000625	.999386	59	.000312	.999719
58	.000163	.999861	58	.000322	.999708	60	.000153	.999872
59	.000077	.999938	59	.000158	.999867	61	.000072	.999944
60	.000035	.999973	60	.000075	.999941	62	.000032	.999977
61	.000015	.999988	61	.000034	.999975	63	.000014	.999990
62	.000006	.999995	62	.000015	.999990	64	.000006	.999996
63	.000002	.999997	63	.000006	.999996	65	.000002	.999998
64	.000001	.999998	64	.000002	.999998	66	.000001	.999999
65	.000000	.999998	65	.000001	.999999	67	.000000	.999999
			66	.000000	.999999	68	.000000	1.000000

50-100 BINOMIAL TABLES

$n =$

95

$p = .46$

$p = .47$

$p = .48$

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
20	.000000	.000000	22	.000001	.000001	22	.000000	.000001
21	.000001	.000001	23	.000003	.000004	23	.000001	.000002
22	.000002	.000003	24	.000007	.000011	24	.000003	.000005
23	.000006	.000010	25	.000018	.000029	25	.000008	.000013
24	.000016	.000025	26	.000042	.000071	26	.000020	.000032
25	.000038	.000064	27	.000096	.000166	27	.000046	.000078
26	.000088	.000151	28	.000206	.000372	28	.000104	.000182
27	.000191	.000342	29	.000421	.000793	29	.000221	.000403
28	.000394	.000736	30	.000822	.001616	30	.000448	.000851
29	.000776	.001511	31	.001529	.003144	31	.000868	.001718
30	.001454	.002965	32	.002711	.005856	32	.001602	.003320
31	.002596	.005561	33	.004590	.010446	33	.002823	.006143
32	.004423	.009984	34	.007423	.017869	34	.004752	.010895
33	.007193	.017178	35	.011473	.029342	35	.007644	.018539
34	.011174	.028552	36	.016957	.046299	36	.011760	.030299
35	.016590	.044942	37	.023978	.070277	37	.017311	.047610
36	.023553	.068495	38	.032455	.102731	38	.024389	.071999
37	.031994	.100489	39	.042064	.144795	39	.032903	.104903
38	.041598	.142087	40	.052223	.197018	40	.042521	.147424
39	.051790	.193878	41	.062124	.259142	41	.052653	.200077
40	.061765	.255643	42	.070831	.329973	42	.062189	.262566
41	.070581	.326224	43	.077420	.407394	43	.071097	.333663
42	.077303	.403526	44	.081139	.488532	44	.077560	.411224
43	.081164	.484690	45	.081547	.570079	45	.081140	.492364
44	.081711	.566401	46	.078603	.648683	46	.081411	.573775
45	.078886	.645288	47	.072671	.721354	47	.078347	.652122
46	.073043	.718330	48	.064444	.785798	48	.072320	.724442
47	.064869	.783200	49	.054816	.840614	49	.064032	.788475
48	.055259	.838459	50	.044722	.885335	50	.054378	.842853
49	.045151	.883610	51	.034993	.920328	51	.044290	.887143
50	.035385	.918995	52	.026257	.946586	52	.034593	.921736
51	.026597	.945592	53	.018892	.965477	53	.025907	.947643
52	.019171	.964763	54	.013030	.978507	54	.018600	.966243
53	.013249	.978013	55	.008614	.987121	55	.012799	.979042
54	.008778	.986791	56	.005456	.992577	56	.008439	.987481
55	.005574	.992365	57	.003311	.995887	57	.005330	.992810
56	.003392	.995757	58	.001924	.997811	58	.003223	.996034
57	.001977	.997734	59	.001070	.998881	59	.001866	.997900
58	.001103	.998838	60	.000569	.999450	60	.001033	.998933
59	.000589	.999427	61	.000290	.999740	61	.000547	.999480
60	.000301	.999728	62	.000141	.999881	62	.000277	.999758
61	.000147	.999875	63	.000065	.999946	63	.000134	.999892
62	.000069	.999944	64	.000029	.999975	64	.000061	.999953
63	.000031	.999975	65	.000012	.999987	65	.000027	.999981
64	.000013	.999988	66	.000005	.999992	66	.000011	.999992
65	.000005	.999993	67	.000002	.999994	67	.000005	.999997
66	.000002	.999995	68	.000001	.999995	68	.000002	.999998
67	.000001	.999996	69	.000000	.999995	69	.000001	.999999
68	.000000	.999997				70	.000000	.999999

p = .49

x	Individual Term	Cumulative (x or less)
23	.000000	.000001
24	.000001	.000002
25	.000003	.000005
26	.000008	.000013
27	.000022	.000035
28	.000050	.000085
29	.000111	.000197
30	.000236	.000432
31	.000474	.000907
32	.000912	.001819
33	.001672	.003491
34	.002930	.006421
35	.004906	.011328
36	.007857	.019184
37	.012037	.031221
38	.017652	.048873
39	.024787	.073660
40	.033341	.107001
41	.042972	.149973
42	.053083	.203055
43	.062862	.265917
44	.071378	.337294
45	.077722	.415017
46	.081168	.496184
47	.081303	.577188
48	.078115	.655602
49	.071988	.727591
50	.063632	.791222
51	.053944	.845166
52	.043855	.889021
53	.034485	.923206
54	.025546	.948752
55	.018296	.967049
56	.012556	.979605
57	.008255	.987860
58	.005196	.993056
59	.003131	.996187
60	.001805	.997992
61	.000995	.998986
62	.000524	.999511
63	.000264	.999775
64	.000127	.999901
65	.000058	.999959
66	.000025	.999985
67	.000011	.999995
68	.000004	.999999
69	.000002	1.000001
70	.000001	1.000001
71	.000000	1.000002

p = .50

x	Individual Term	Cumulative (x or less)
24	.000000	.000001
25	.000001	.000002
26	.000004	.000006
27	.000010	.000015
28	.000023	.000039
29	.000054	.000093
30	.000119	.000212
31	.000250	.000462
32	.000500	.000962
33	.000954	.001916
34	.001740	.003656
35	.003032	.006689
36	.005054	.011744
37	.008060	.019804
38	.012302	.032106
39	.017980	.050086
40	.025172	.075259
41	.033768	.109127
42	.043416	.152442
43	.053512	.205955
44	.063242	.269197
45	.071674	.340871
46	.077907	.418778
47	.081222	.500000
48	.081222	.581222
49	.077907	.659128
50	.071674	.730803
51	.063242	.794045
52	.053512	.847557
53	.043416	.890973
54	.033768	.924741
55	.025172	.949913
56	.017980	.967893
57	.012302	.980195
58	.008060	.988256
59	.005055	.993310
60	.003033	.996343
61	.001740	.998083
62	.000954	.999037
63	.000500	.999537
64	.000250	.999787
65	.000119	.999906
66	.000054	.999961
67	.000023	.999984
68	.000010	.999996
69	.000004	.999997
70	.000001	.999999
71	.000000	.999999

50-100 BINOMIAL TABLES

n=

100

p=.01

p=.02

p=.03

x	Individual Term	Cumulative (x or less)
0	.366032	.366032
1	.369730	.735762
2	.184865	.920627
3	.060999	.981626
4	.014942	.996568
5	.002898	.999465
6	.000463	.999929
7	.000063	.999992
8	.000007	.999999
9	.000001	1.000000
10	.000000	1.000001

x	Individual Term	Cumulative (x or less)
0	.132620	.132620
1	.270652	.403272
2	.273414	.676686
3	.182276	.858962
4	.090208	.949170
5	.035347	.984516
6	.011422	.995938
7	.003130	.999068
8	.000743	.999811
9	.000155	.999966
10	.000029	.999994
11	.000005	.999999
12	.000001	1.000000
13	.000000	1.000001

x	Individual Term	Cumulative (x or less)
0	.047553	.047553
1	.147070	.194622
2	.225153	.419775
3	.227474	.647249
4	.170606	.817855
5	.101308	.919163
6	.049610	.968772
7	.020604	.989376
8	.007408	.996784
9	.002342	.999126
10	.000659	.999785
11	.000167	.999952
12	.000038	.999990
13	.000008	.999998
14	.000002	.999999
15	.000000	1.000000

p=.04

p=.05

p=.06

x	Individual Term	Cumulative (x or less)
0	.016870	.016870
1	.070293	.087163
2	.144979	.232143
3	.197333	.429476
4	.199389	.628864
5	.159511	.788375
6	.105233	.893608
7	.058880	.952488
8	.028520	.981008
9	.012147	.993156
10	.004606	.997761
11	.001570	.999332
12	.000485	.999817
13	.000137	.999954
14	.000035	.999989
15	.000008	.999998
16	.000002	1.000000
17	.000000	1.000000

x	Individual Term	Cumulative (x or less)
0	.005921	.005921
1	.031161	.037081
2	.081182	.118263
3	.139576	.257839
4	.178143	.435981
5	.180018	.615999
6	.150015	.766014
7	.106025	.872039
8	.064871	.936910
9	.034901	.971811
10	.016716	.988527
11	.007198	.995725
12	.002810	.998535
13	.001001	.999536
14	.000327	.999864
15	.000099	.999962
16	.000028	.999990
17	.000007	.999997
18	.000002	.999999
19	.000000	.999999

x	Individual Term	Cumulative (x or less)
0	.002055	.002055
1	.013116	.015171
2	.041442	.056613
3	.086410	.143023
4	.133752	.276775
5	.163917	.440692
6	.165661	.606353
7	.141995	.748348
8	.105363	.853712
9	.068748	.922460
10	.039932	.962392
11	.020854	.983246
12	.009873	.993119
13	.004266	.997384
14	.001692	.999076
15	.000619	.999695
16	.000210	.999905
17	.000066	.999972
18	.000019	.999991
19	.000005	.999997
20	.000001	.999998
21	.000000	.999998

n=
100

50-100 BINOMIAL TABLES

p=.07

x	Individual Term	Cumulative (x or less)
0	.000705	.000705
1	.005308	.006013
2	.019776	.025789
3	.048624	.074412
4	.088752	.163164
5	.128261	.291425
6	.152855	.444280
7	.154499	.598779
8	.135187	.733966
9	.104014	.837980
10	.071244	.909224
11	.043875	.953099
12	.024493	.977592
13	.012479	.990071
14	.005837	.995908
15	.002519	.998427
16	.001007	.999435
17	.000375	.999809
18	.000130	.999939
19	.000042	.999981
20	.000013	.999994
21	.000004	.999998
22	.000001	.999999
23	.000000	.999999

p=.08

x	Individual Term	Cumulative (x or less)
0	.000239	.000239
1	.002080	.002319
2	.008953	.011273
3	.025453	.036706
4	.053631	.090337
5	.089540	.179877
6	.123280	.303156
7	.143954	.447110
8	.145518	.592628
9	.129350	.721978
10	.102355	.824333
11	.072822	.897155
12	.046965	.944119
13	.027645	.971764
14	.014939	.986703
15	.007448	.994150
16	.003440	.997591
17	.001478	.999069
18	.000593	.999662
19	.000222	.999884
20	.000078	.999962
21	.000026	.999988
22	.000008	.999996
23	.000002	.999999
24	.000001	1.000000
25	.000000	1.000000

p=.09

x	Individual Term	Cumulative (x or less)
0	.000080	.000080
1	.000793	.000873
2	.003883	.004756
3	.012544	.017301
4	.030086	.047387
5	.057130	.104517
6	.089463	.193980
7	.118815	.312795
8	.136605	.449400
9	.138106	.587506
10	.124295	.711801
11	.100579	.812379
12	.073776	.886156
13	.049392	.935547
14	.030356	.965904
15	.017213	.983117
16	.009044	.992161
17	.004420	.996580
18	.002016	.998596
19	.000860	.999456
20	.000345	.999801
21	.000130	.999931
22	.000046	.999977
23	.000015	.999992
24	.000005	.999999
25	.000001	.999999
26	.000000	.999999

50-100 BINOMIAL TABLES

n=

100

p=.10

p=.11

p=.12

x	Individual Term	Cumulative (x or less)
0	.000027	.000027
1	.000295	.000322
2	.001623	.001945
3	.005892	.007836
4	.015875	.023711
5	.033866	.057577
6	.059579	.117156
7	.088895	.206051
8	.114823	.320874
9	.130416	.451290
10	.131865	.583155
11	.119877	.703032
12	.098788	.801820
13	.074302	.876122
14	.051304	.927425
15	.032682	.960108
16	.019292	.979399
17	.010592	.989991
18	.005427	.995417
19	.002602	.998020
20	.001171	.999191
21	.000496	.999686
22	.000198	.999884
23	.000075	.999959
24	.000027	.999985
25	.000009	.999994
26	.000003	.999997
27	.000001	.999998
28	.000000	.999998

x	Individual Term	Cumulative (x or less)
0	.000009	.000009
1	.000107	.000116
2	.000657	.000773
3	.002653	.003426
4	.007951	.011377
5	.018869	.030246
6	.036924	.067170
7	.061284	.128454
8	.088052	.216506
9	.111247	.327753
10	.125122	.432874
11	.126527	.579402
12	.115983	.695385
13	.097037	.792422
14	.074530	.866952
15	.052813	.919765
16	.034677	.954442
17	.021178	.975620
18	.012069	.987689
19	.006438	.994127
20	.003223	.997350
21	.001517	.998867
22	.000673	.999540
23	.000282	.999823
24	.000112	.999934
25	.000042	.999977
26	.000015	.999992
27	.000005	.999997
28	.000002	.999998
29	.000001	.999999
30	.000000	.999999

x	Individual Term	Cumulative (x or less)
0	.000003	.000003
1	.000038	.000041
2	.000258	.000299
3	.001151	.001450
4	.003806	.005257
5	.009965	.015222
6	.021516	.036737
7	.039399	.076136
8	.062456	.138592
9	.087060	.225651
10	.108033	.333685
11	.120533	.454217
12	.121902	.576120
13	.112525	.688645
14	.093354	.783999
15	.074550	.888549
16	.054006	.912555
17	.036389	.948944
18	.022881	.971825
19	.013466	.985291
20	.007437	.992728
21	.003863	.996591
22	.001892	.998483
23	.000875	.999358
24	.000383	.999740
25	.000159	.999899
26	.000062	.999962
27	.000023	.999985
28	.000008	.999993
29	.000003	.999996
30	.000001	.999997
31	.000000	.999997

n=
100

50-100 BINOMIAL TABLES

p=.13

x	Individual Term	Cumulative (x or less)
0	.000001	.000001
1	.000013	.000014
2	.000099	.000113
3	.000483	.000596
4	.001750	.002346
5	.005021	.007367
6	.011879	.019246
7	.023853	.043081
8	.041403	.084484
9	.063242	.147726
10	.085994	.233720
11	.105134	.338854
12	.116514	.455368
13	.117853	.573221
14	.109435	.682656
15	.093753	.776409
16	.074423	.850832
17	.054949	.905782
18	.037861	.943643
19	.024416	.968059
20	.014776	.982835
21	.008411	.991246
22	.004513	.995759
23	.002287	.998046
24	.001096	.999143
25	.000498	.999641
26	.000215	.999855
27	.000088	.999943
28	.000034	.999978
29	.000013	.999990
30	.000004	.999995
31	.000002	.999996
32	.000000	.999997

p=.14

x	Individual Term	Cumulative (x or less)
0	.000000	.000000
1	.000005	.000005
2	.000037	.000042
3	.000197	.000238
4	.000776	.001014
5	.002425	.003439
6	.006231	.009690
7	.013664	.023354
8	.025558	.049212
9	.045030	.092242
10	.063745	.155987
11	.084903	.240890
12	.102509	.343399
13	.112962	.456361
14	.114275	.570636
15	.106657	.677293
16	.092240	.769533
17	.074195	.843728
18	.055694	.899423
19	.039129	.938552
20	.025798	.964350
21	.015999	.980349
22	.009352	.989701
23	.005163	.994864
24	.002697	.997561
25	.001335	.998895
26	.000627	.999522
27	.000280	.999802
28	.000119	.999920
29	.000048	.999968
30	.000018	.999987
31	.000007	.999994
32	.000002	.999996
33	.000001	.999997
34	.000000	.999997

p=.15

x	Individual Term	Cumulative (x or less)
1	.000002	.000002
2	.000013	.000015
3	.000078	.000093
4	.000333	.000426
5	.001127	.001553
6	.003149	.004702
7	.007463	.012165
8	.015310	.027476
9	.027619	.055095
10	.044353	.099447
11	.064039	.163486
12	.083815	.247301
13	.100123	.347425
14	.109799	.457224
15	.111091	.568314
16	.104148	.672462
17	.090814	.763276
18	.073698	.837173
19	.056281	.893454
20	.040224	.933679
21	.027042	.960720
22	.017136	.977856
23	.010255	.988112
24	.005806	.993918
25	.003115	.997031
26	.001586	.998619
27	.000767	.999381
28	.000353	.999738
29	.000155	.999891
30	.000065	.999951
31	.000026	.999981
32	.000010	.999991
33	.000004	.999997
34	.000001	.999991
35	.000000	.999991

50-100 BINOMIAL TABLES

n=

100

p=.16

p=.17

p=.18

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
1	.000001	.000001	2	.000002	.000002	2	.000001	.000001
2	.000005	.000005	3	.000011	.000013	3	.000004	.000005
3	.000030	.000035	4	.000056	.000069	4	.000022	.000027
4	.000138	.000174	5	.000219	.000288	5	.000092	.000119
5	.000506	.000679	6	.000712	.001000	6	.000321	.000440
6	.001525	.002204	7	.001958	.002958	7	.000946	.001366
7	.003901	.006105	8	.004661	.007619	8	.002414	.003800
8	.008637	.014742	9	.009759	.017378	9	.005417	.009217
9	.016817	.031559	10	.018190	.035568	10	.010821	.020039
10	.029150	.060709	11	.030482	.066049	11	.019435	.039474
11	.045429	.106138	12	.046304	.112354	12	.031641	.071115
12	.064177	.170315	13	.064199	.176553	13	.047016	.118131
13	.082748	.253064	14	.081713	.258267	14	.064136	.182267
14	.097947	.351011	15	.095956	.354223	15	.080717	.262984
15	.106964	.457975	16	.104410	.458632	16	.094129	.357113
16	.108238	.566213	17	.105668	.564300	17	.102097	.459209
17	.101871	.668084	18	.099797	.664097	18	.103342	.562551
18	.089474	.757558	19	.088216	.752314	19	.097903	.660453
19	.073552	.831110	20	.073177	.825491	20	.087038	.747491
20	.056740	.887851	21	.057097	.882589	21	.072784	.820275
21	.041172	.929023	22	.041994	.924583	22	.057372	.877647
22	.028161	.957184	23	.029170	.953753	23	.042710	.920357
23	.018191	.975373	24	.019168	.972921	24	.030079	.950436
24	.011117	.986492	25	.011935	.984856	25	.020072	.970508
25	.006437	.992929	26	.007052	.991907	26	.012710	.983218
26	.003537	.996466	27	.003958	.995866	27	.007647	.990865
27	.001846	.998312	28	.002114	.997979	28	.004376	.995241
28	.000917	.999229	29	.001075	.999054	29	.002385	.997626
29	.000434	.999663	30	.000521	.999575	30	.001239	.998865
30	.000195	.999858	31	.000241	.999816	31	.000614	.999479
31	.000084	.999942	32	.000106	.999923	32	.000291	.999770
32	.000035	.999977	33	.000045	.999968	33	.000131	.999901
33	.000014	.999990	34	.000018	.999986	34	.000057	.999958
34	.000005	.999996	35	.000007	.999993	35	.000024	.999982
35	.000002	.999997	36	.000003	.999995	36	.000009	.999991
36	.000001	.999998	37	.000001	.999996	37	.000004	.999994
37	.000000	.999998	38	.000000	.999997	38	.000001	.999996
						39	.000000	.999996

n=
100

50-100 BINOMIAL TABLES

p=.19

x	Individual Term	Cumulative (x or less)
3	.000001	.000002
4	.000008	.000010
5	.000038	.000048
6	.000140	.000158
7	.000441	.000629
8	.001203	.001832
9	.002835	.004718
10	.006159	.010876
11	.011820	.022696
12	.020563	.043259
13	.032651	.075910
14	.047594	.123504
15	.064007	.187512
16	.079762	.267274
17	.092448	.359722
18	.099993	.459715
19	.101228	.560943
20	.096166	.657109
21	.085934	.743043
22	.072383	.815426
23	.057580	.873006
24	.043333	.916339
25	.030900	.947239
26	.020908	.968147
27	.013442	.981589
28	.008220	.989809
29	.004787	.994596
30	.002658	.997254
31	.001408	.998662
32	.000712	.999374
33	.000344	.999718
34	.000159	.999877
35	.000070	.999947
36	.000030	.999977
37	.000012	.999989
38	.000005	.999994
39	.000002	.999996
40	.000001	.999996
41	.000000	.999996
42	.000000	.999997

p=.20

x	Individual Term	Cumulative (x or less)
3	.000001	.000001
4	.000003	.000004
5	.000015	.000019
6	.000059	.000078
7	.000199	.000277
8	.000578	.000855
9	.001478	.002334
10	.003363	.005696
11	.006878	.012575
12	.012754	.025329
13	.021583	.046912
14	.033531	.080444
15	.048062	.128505
16	.063832	.192337
17	.078851	.271189
18	.090898	.362087
19	.098074	.460161
20	.099300	.559461
21	.094571	.654032
22	.084899	.738931
23	.071980	.810911
24	.057734	.868645
25	.043878	.912523
26	.031643	.944166
27	.021681	.963847
28	.014131	.979978
29	.008771	.988749
30	.005190	.993939
31	.002930	.996868
32	.001579	.998448
33	.000814	.999261
34	.000401	.999662
35	.000189	.999851
36	.000085	.999936
37	.000037	.999973
38	.000015	.999988
39	.000006	.999995
40	.000002	.999997
41	.000001	.999998
42	.000000	.999998

p=.21

x	Individual Term	Cumulative (x or less)
4	.000001	.000001
5	.000006	.000007
6	.000024	.000031
7	.000087	.000118
8	.000269	.000387
9	.000730	.001117
10	.001766	.002853
11	.003840	.006723
12	.007571	.014295
13	.013624	.027919
14	.022506	.050425
15	.034300	.084724
16	.048438	.133162
17	.063622	.196784
18	.077984	.274768
19	.089466	.364233
20	.096317	.460550
21	.097536	.558087
22	.093103	.651190
23	.083931	.735120
24	.071580	.806701
25	.057844	.864545
26	.044355	.908899
27	.032315	.941214
28	.022395	.963609
29	.014780	.978390
30	.009298	.987688
31	.005581	.993269
32	.003199	.996469
33	.001752	.998221
34	.000918	.999139
35	.000460	.999599
36	.000221	.999820
37	.000102	.999921
38	.000045	.999966
39	.000019	.999985
40	.000008	.999991
41	.000003	.999996
42	.000001	.999997
43	.000000	.999997

50-100 BINOMIAL TABLES

n=

100

p=.22

p=.23

p=.24

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
4	.000000	.000000	5	.000001	.000001	5	.000000	.000000
5	.000002	.000003	6	.000004	.000005	6	.000001	.000002
6	.000010	.000012	7	.000015	.000020	7	.000006	.000008
7	.000037	.000049	8	.000053	.000072	8	.000022	.000030
8	.000121	.000170	9	.000160	.000233	9	.000072	.000102
9	.000348	.000518	10	.000436	.000669	10	.000206	.000308
10	.000893	.001411	11	.001066	.001735	11	.000532	.000840
11	.002062	.003473	12	.002362	.004097	12	.001246	.002085
12	.004313	.007786	13	.004776	.008873	13	.002663	.004749
13	.008234	.016020	14	.008865	.017738	14	.005227	.009975
14	.014433	.030453	15	.015182	.032920	15	.009463	.019438
15	.023339	.053792	16	.024092	.057012	16	.015875	.035314
16	.034971	.086763	17	.035558	.092570	17	.024771	.060085
17	.046738	.137301	18	.048975	.141545	18	.036070	.096155
18	.063387	.200888	19	.063135	.204680	19	.049160	.145315
19	.077159	.278048	20	.076377	.281057	20	.062873	.208188
20	.088140	.366188	21	.086911	.367968	21	.075636	.283824
21	.094705	.460892	22	.093221	.461189	22	.085769	.369594
22	.095919	.556811	23	.094432	.555621	23	.091854	.461447
23	.091748	.648559	24	.090497	.646118	24	.093062	.554310
24	.083024	.731584	25	.082176	.728294	25	.089340	.643850
25	.071188	.802772	26	.070806	.799100	26	.081382	.725232
26	.057919	.860691	27	.057966	.857066	27	.070436	.795668
27	.044773	.905464	28	.045142	.902207	28	.057991	.853639
28	.032924	.933388	29	.033477	.935684	29	.045466	.899126
29	.023056	.961444	30	.023666	.959350	30	.033980	.933106
30	.015390	.976834	31	.015962	.975313	31	.024230	.957336
31	.009802	.986636	32	.010281	.985594	32	.016499	.973835
32	.005961	.992597	33	.006328	.991922	33	.010736	.984572
33	.003465	.996061	34	.003725	.995646	34	.006681	.991253
34	.001926	.997987	35	.002098	.997744	35	.003978	.995231
35	.001024	.999011	36	.001132	.998876	36	.002268	.997499
36	.000522	.999533	37	.000585	.999460	37	.001239	.998739
37	.000254	.999787	38	.000290	.999750	38	.000649	.999387
38	.000119	.999906	39	.000137	.999887	39	.000326	.999713
39	.000053	.999960	40	.000063	.999950	40	.000157	.999870
40	.000023	.999983	41	.000027	.999977	41	.000072	.999942
41	.000009	.999992	42	.000011	.999989	42	.000032	.999974
42	.000004	.999996	43	.000005	.999994	43	.000014	.999988
43	.000001	.999997	44	.000002	.999995	44	.000006	.999994
44	.000001	.999998	45	.000001	.999996	45	.000002	.999996
45	.000000	.999998	46	.000000	.999996	46	.000001	.999997
			47			47	.000000	.999997

n=
100

50-100 BINOMIAL TABLES

p=.25

x	Individual Term	Cumulative (x or less)
6	.000001	.000001
7	.000002	.000003
8	.000009	.000012
9	.000031	.000043
10	.000094	.000137
11	.000256	.000394
12	.000634	.001027
13	.001430	.002458
14	.002963	.005421
15	.005662	.011083
16	.010027	.021111
17	.016516	.037626
18	.025385	.063011
19	.036519	.099530
20	.049301	.148831
21	.062604	.211439
22	.074935	.286370
23	.084709	.371079
24	.090592	.461670
25	.091799	.553470
26	.088269	.641738
27	.080640	.722379
28	.070080	.792459
29	.057998	.850457
30	.045754	.896210
31	.034438	.930649
32	.024752	.955401
33	.017002	.972403
34	.011168	.983571
35	.007020	.990590
36	.004225	.994615
37	.002436	.997251
38	.001346	.998597
39	.000713	.999311
40	.000363	.999673
41	.000177	.999850
42	.000083	.999933
43	.000037	.999970
44	.000016	.999986
45	.000007	.999993
46	.000003	.999996
47	.000001	.999997
48	.000000	.999997

p=.26

x	Individual Term	Cumulative (x or less)
6	.000000	.000000
7	.000001	.000001
8	.000004	.000005
9	.000013	.000018
10	.000042	.000059
11	.000120	.000179
12	.000311	.000490
13	.000741	.001231
14	.001618	.002549
15	.003258	.006107
16	.006082	.012189
17	.010599	.022748
18	.017106	.039554
19	.025939	.065793
20	.036911	.102704
21	.049405	.152109
22	.062332	.214441
23	.074271	.288712
24	.083723	.372435
25	.089425	.461860
26	.090633	.552493
27	.087276	.639769
28	.079947	.719716
29	.069740	.789456
30	.057991	.847446
31	.046008	.893455
32	.034856	.928310
33	.025236	.953546
34	.017472	.971018
35	.011576	.982595
36	.007344	.989938
37	.004463	.994402
38	.002600	.997001
39	.001452	.998453
40	.000778	.999232
41	.000400	.999632
42	.000197	.999829
43	.000094	.999923
44	.000043	.999965
45	.000019	.999984
46	.000008	.999992
47	.000003	.999995
48	.000001	.999996
49	.000000	.999997

p=.27

x	Individual Term	Cumulative (x or less)
8	.000001	.000002
9	.000005	.000007
10	.000018	.000025
11	.000054	.000079
12	.000148	.000227
13	.000370	.000597
14	.000851	.001449
15	.001806	.003254
16	.003548	.006802
17	.006484	.013285
18	.011058	.024343
19	.017651	.041993
20	.026440	.068433
21	.037253	.105686
22	.049478	.155164
23	.062061	.217225
24	.073644	.290869
25	.082804	.373673
26	.088345	.462018
27	.089555	.551573
28	.086397	.637930
29	.079300	.717230
30	.069414	.786644
31	.057973	.844617
32	.046235	.890832
33	.035237	.926089
34	.025683	.951772
35	.017913	.969684
36	.011962	.981647
37	.007653	.989299
38	.004693	.993992
39	.002759	.996751
40	.001556	.998308
41	.000842	.999150
42	.000438	.999588
43	.000218	.999806
44	.000105	.999911
45	.000048	.999959
46	.000021	.999980
47	.000009	.999989
48	.000004	.999993
49	.000001	.999995
50	.000001	.999995
51	.000000	.999995

50-100 BINOMIAL TABLES

n=

100

p=.28

p=.29

p=.30

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
8	.000001	.000001	9	.000001	.000001	9	.000000	.000000
9	.000002	.000003	10	.000003	.000004	10	.000001	.000002
10	.000007	.000010	11	.000010	.000014	11	.000004	.000006
11	.000024	.000034	12	.000030	.000044	12	.000013	.000019
12	.000068	.000102	13	.000084	.000128	13	.000038	.000057
13	.000179	.000281	14	.000212	.000340	14	.000101	.000157
14	.000433	.000713	15	.000497	.000838	15	.000248	.000405
15	.000965	.001678	16	.001079	.001917	16	.000564	.000969
16	.001993	.003671	17	.002178	.004095	17	.001194	.002163
17	.003829	.007500	18	.004102	.008197	18	.002360	.004523
18	.006867	.014367	19	.007231	.015427	19	.004365	.008887
19	.011525	.025891	20	.011961	.027389	20	.007576	.016463
20	.018151	.044043	21	.018612	.046000	21	.012368	.028831
21	.026891	.070934	22	.027298	.073299	22	.019034	.047866
22	.037552	.108486	23	.037813	.111111	23	.027665	.075531
23	.049525	.158012	24	.049552	.160663	24	.038039	.113570
24	.061792	.219804	25	.061528	.222191	25	.049560	.163130
25	.073052	.292856	26	.072453	.294684	26	.061269	.224399
26	.081949	.374805	27	.081153	.375837	27	.071967	.296365
27	.087345	.462151	28	.086419	.462257	28	.080412	.376777
28	.088558	.550709	29	.087636	.549893	29	.085561	.462338
29	.085505	.636214	30	.084715	.634608	30	.086784	.549122
30	.078696	.714910	31	.078134	.712742	31	.083984	.633106
31	.069106	.784016	32	.068814	.781556	32	.077610	.710717
32	.057948	.841964	33	.057918	.839473	33	.068539	.779256
33	.046437	.888400	34	.046617	.886090	34	.057884	.837139
34	.035586	.923986	35	.035906	.921996	35	.046780	.883919
35	.026097	.950083	36	.026480	.948476	36	.036198	.920117
36	.018324	.968407	37	.018708	.967184	37	.026834	.946952
37	.012326	.980733	38	.012669	.979852	38	.019067	.966018
38	.007947	.988680	39	.008226	.988079	39	.012990	.979009
39	.004913	.993593	40	.005124	.993202	40	.008490	.987499
40	.002914	.996507	41	.003063	.996265	41	.005325	.992824
41	.001658	.998165	42	.001757	.998022	42	.003206	.996029
42	.000906	.999071	43	.000968	.998991	43	.001853	.997883
43	.000475	.999546	44	.000512	.999503	44	.001029	.998911
44	.000239	.999785	45	.000260	.999763	45	.000549	.999460
45	.000116	.999901	46	.000127	.999891	46	.000281	.999741
46	.000054	.999955	47	.000060	.999950	47	.000138	.999880
47	.000024	.999979	48	.000027	.999977	48	.000066	.999945
48	.000010	.999990	49	.000012	.999989	49	.000030	.999975
49	.000004	.999994	50	.000005	.999994	50	.000013	.999988
50	.000002	.999996	51	.000002	.999996	51	.000005	.999994
51	.000001	.999996	52	.000001	.999996	52	.000002	.999996
52	.000000	.999996	53	.000000	.999997	53	.000001	.999997
						54	.000000	.999997

n=
100

50-100 BINOMIAL TABLES

p=.31

x	Individual Term	Cumulative (x or less)
10	.000000	.000001
11	.000002	.000002
12	.000005	.000008
13	.000017	.000024
14	.000046	.000071
15	.000119	.000190
16	.000285	.000474
17	.000632	.001106
18	.001308	.002414
19	.002537	.004951
20	.004616	.009568
21	.007901	.017469
22	.012747	.030216
23	.019422	.049658
24	.027995	.077633
25	.038236	.115869
26	.049553	.165422
27	.061017	.226439
28	.071471	.297910
29	.079721	.377631
30	.084766	.462397
31	.085955	.548392
32	.083308	.631700
33	.077125	.708825
34	.068281	.777106
35	.057848	.834954
36	.046926	.881880
37	.036467	.918347
38	.027163	.945510
39	.019401	.964910
40	.013292	.978203
41	.008739	.986542
42	.005516	.992457
43	.003342	.995800
44	.001945	.997745
45	.001088	.998833
46	.000584	.999417
47	.000302	.999719
48	.000150	.999868
49	.000071	.999940
50	.000033	.999972
51	.000014	.999987
52	.000006	.999993
53	.000002	.999995
54	.000001	.999996
55	.000000	.999997

p=.32

x	Individual Term	Cumulative (x or less)
10	.000000	.000000
11	.000001	.000001
12	.000002	.000003
13	.000007	.000010
14	.000021	.000031
15	.000055	.000086
16	.000139	.000225
17	.000323	.000547
18	.000700	.001247
19	.001422	.002669
20	.002709	.005378
21	.004857	.010235
22	.008208	.018443
23	.013099	.031542
24	.019776	.051318
25	.028292	.079610
26	.038405	.118016
27	.049534	.167550
28	.060773	.228322
29	.071004	.299326
30	.079079	.378405
31	.080403	.462436
32	.08267	.547702
33	.082683	.630385
34	.076675	.707060
35	.068041	.775100
36	.057812	.832913
37	.047059	.879971
38	.036715	.916686
39	.027467	.944153
40	.019711	.963864
41	.013575	.977439
42	.008974	.986412
43	.005696	.992108
44	.003472	.995581
45	.002034	.997614
46	.001144	.998758
47	.000619	.999377
48	.000321	.999698
49	.000161	.999899
50	.000077	.999936
51	.000036	.999972
52	.000016	.999987
53	.000007	.999994
54	.000003	.999997
55	.000001	.999998
56	.000000	.999998

p=.33

x	Individual Term	Cumulative (x or less)
12	.000001	.000001
13	.000003	.000004
14	.000009	.000013
15	.000025	.000038
16	.000065	.000103
17	.000159	.000262
18	.000361	.000624
19	.000768	.001392
20	.001533	.002925
21	.002876	.005800
22	.005086	.010866
23	.008495	.019381
24	.013424	.032806
25	.020100	.052906
26	.028558	.081464
27	.038551	.120015
28	.049504	.169519
29	.060536	.230056
30	.070565	.300621
31	.078481	.379102
32	.083350	.462452
33	.084594	.547046
34	.082106	.629152
35	.076259	.705411
36	.067817	.773228
37	.057777	.831005
38	.047179	.878184
39	.036942	.915126
40	.027748	.942874
41	.020000	.962874
42	.013838	.976712
43	.005193	.985906
44	.005866	.991772
45	.003595	.995367
46	.002117	.997484
47	.001198	.998683
48	.000652	.999334
49	.000341	.999675
50	.000171	.999846
51	.000083	.999928
52	.000038	.999967
53	.000017	.999984
54	.000007	.999991
55	.000003	.999994
56	.000001	.999995
57	.000000	.999996

50-100 BINOMIAL TABLES

n=

100

p=.34

p=.35

p=.36

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
12	.000000	.000000	13	.000000	.000001	13	.000000	.000000
13	.000001	.000002	14	.000001	.000002	14	.000001	.000001
14	.000004	.000005	15	.000005	.000007	15	.000002	.000003
15	.000011	.000016	16	.000013	.000020	16	.000006	.000008
16	.000030	.000046	17	.000035	.000055	17	.000016	.000024
17	.000076	.000122	18	.000087	.000142	18	.000040	.000064
18	.000180	.000302	19	.000202	.000343	19	.000098	.000163
19	.000401	.000703	20	.000440	.000784	20	.000224	.000386
20	.000836	.001539	21	.000903	.001686	21	.000479	.000865
21	.001641	.003180	22	.001746	.003432	22	.000968	.001834
22	.003035	.006215	23	.003188	.006620	23	.001847	.003680
23	.005303	.011518	24	.005507	.012127	24	.003333	.007013
24	.008764	.020282	25	.009015	.021142	25	.005699	.012712
25	.013725	.034007	26	.014002	.035144	26	.009247	.021960
26	.020396	.054402	27	.020664	.055807	27	.014256	.036216
27	.028796	.083199	28	.029009	.084816	28	.020907	.057123
28	.038676	.121874	29	.038781	.123598	29	.029198	.086321
29	.049466	.171341	30	.049421	.173019	30	.038870	.125190
30	.060309	.231649	31	.060090	.233109	31	.049371	.174561
31	.070154	.301803	32	.069768	.302877	32	.059881	.234442
32	.077927	.379730	33	.077412	.380289	33	.069408	.303850
33	.082721	.462451	34	.082141	.462430	34	.076936	.380786
34	.083974	.546425	35	.083404	.545834	35	.081607	.462393
35	.081575	.628000	36	.081087	.626921	36	.082882	.545274
36	.075876	.703875	37	.075532	.702446	37	.080642	.625916
37	.067611	.771486	38	.067422	.769867	38	.075204	.701120
38	.057744	.829230	39	.057714	.827581	39	.067249	.768369
39	.047290	.876520	40	.047392	.874973	40	.057687	.826057
40	.037151	.913672	41	.037345	.912317	41	.047487	.873543
41	.028008	.941680	42	.028248	.940565	42	.037523	.911066
42	.020268	.961948	43	.020516	.961082	43	.028469	.939535
43	.014083	.976031	44	.014311	.975393	44	.020745	.960281
44	.009399	.985430	45	.009590	.984982	45	.014522	.974803
45	.006025	.991455	46	.006174	.991156	46	.009767	.984569
46	.003711	.995166	47	.003820	.994976	47	.006312	.990881
47	.002197	.997363	48	.002271	.997247	48	.003920	.994802
48	.001249	.998612	49	.001298	.998545	49	.002340	.997142
49	.000683	.999296	50	.000713	.999257	50	.001343	.998485
50	.000359	.999654	51	.000376	.999634	51	.000740	.999225
51	.000181	.999836	52	.000191	.999824	52	.000392	.999618
52	.000088	.999924	53	.000093	.999918	53	.000200	.999818
53	.000041	.999965	54	.000044	.999961	54	.000098	.999915
54	.000018	.999983	55	.000020	.999981	55	.000046	.999962
55	.000008	.999991	56	.000009	.999989	56	.000021	.999982
56	.000003	.999994	57	.000004	.999993	57	.000009	.999991
57	.000001	.999996	58	.000001	.999994	58	.000004	.999995
58	.000000	.999996	59	.000001	.999995	59	.000002	.999997
			60	.000000	.999995	60	.000001	.999997
						61	.000000	.999997

n-
100

50-100 BINOMIAL TABLES

p=.37

x	Individual Term	Cumulative (x or less)
15	.000001	.000001
16	.000002	.000003
17	.000007	.000010
18	.000018	.000028
19	.000046	.000074
20	.000110	.000184
21	.000246	.000430
22	.000517	.000948
23	.001071	.001979
24	.001944	.003923
25	.003470	.007393
26	.005879	.013271
27	.009463	.022734
28	.014489	.037223
29	.021127	.058349
30	.029365	.087714
31	.038943	.126657
32	.049316	.175973
33	.059682	.235655
34	.069072	.304726
35	.076496	.381222
36	.081116	.462338
37	.082404	.544742
38	.080235	.624978
39	.074913	.699891
40	.067094	.766985
41	.057665	.824650
42	.047575	.872225
43	.037688	.909913
44	.028674	.938586
45	.020957	.959543
46	.014716	.974259
47	.009930	.984189
48	.006439	.990628
49	.004013	.994641
50	.002404	.997045
51	.001384	.998430
52	.000766	.999196
53	.000407	.999603
54	.000208	.999812
55	.000102	.999914
56	.000048	.999962
57	.000022	.999984
58	.000010	.999994
59	.000004	.999998
60	.000002	.999999
61	.000001	1.000000

p=.38

x	Individual Term	Cumulative (x or less)
15	.000001	.000001
16	.000002	.000003
17	.000007	.000010
18	.000018	.000028
19	.000046	.000074
20	.000110	.000184
21	.000246	.000430
22	.000517	.000948
23	.001071	.001979
24	.001944	.003923
25	.003470	.007393
26	.005879	.013271
27	.009463	.022734
28	.014489	.037223
29	.021127	.058349
30	.029365	.087714
31	.038943	.126657
32	.049316	.175973
33	.059682	.235655
34	.069072	.304726
35	.076496	.381222
36	.081116	.462338
37	.082404	.544742
38	.080235	.624978
39	.074913	.699891
40	.067094	.766985
41	.057665	.824650
42	.047575	.872225
43	.037688	.909913
44	.028674	.938586
45	.020957	.959543
46	.014716	.974259
47	.009930	.984189
48	.006439	.990628
49	.004013	.994641
50	.002404	.997045
51	.001384	.998430
52	.000766	.999196
53	.000407	.999603
54	.000208	.999812
55	.000102	.999914
56	.000048	.999962
57	.000022	.999984
58	.000010	.999994
59	.000004	.999998
60	.000002	.999999
61	.000001	1.000000

p=.39

x	Individual Term	Cumulative (x or less)
17	.000001	.000001
18	.000003	.000005
19	.000009	.000014
20	.000024	.000038
21	.000058	.000096
22	.000133	.000229
23	.000289	.000518
24	.000592	.001110
25	.001151	.002261
26	.002123	.004384
27	.003720	.008104
28	.006200	.014304
29	.009842	.024146
30	.014892	.039039
31	.021500	.060539
32	.029639	.090178
33	.039048	.129226
34	.049196	.178423
35	.059312	.237734
36	.068468	.306202
37	.075718	.381921
38	.080259	.462179
39	.081574	.543754
40	.079535	.623289
41	.074415	.697704
42	.066834	.764538
43	.057638	.822174
44	.047736	.869911
45	.037980	.907891
46	.029034	.936924
47	.021327	.958252
48	.015056	.973307
49	.010215	.983522
50	.006662	.990184
51	.004176	.994359
52	.002516	.996875
53	.001457	.998332
54	.000811	.999142
55	.000433	.999576
56	.000223	.999798
57	.000110	.999908
58	.000052	.999960
59	.000024	.999984
60	.000010	.999994
61	.000004	.999999
62	.000002	1.000000
63	.000001	1.000000

50-100 BINOMIAL TABLES

n=

100

p=.40

p=.41

p=.42

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
18	.000001	.000002	18	.000001	.000001	19	.000001	.000001
19	.000004	.000006	19	.000002	.000002	20	.000002	.000002
20	.000011	.000016	20	.000004	.000007	21	.000005	.000008
21	.000027	.000043	21	.000012	.000019	22	.000013	.000021
22	.000064	.000107	22	.000030	.000048	23	.000033	.000054
23	.000145	.000252	23	.000070	.000118	24	.000076	.000130
24	.000310	.000561	24	.000156	.000274	25	.000167	.000297
25	.000627	.001189	25	.000330	.000604	26	.000349	.000646
26	.001207	.002395	26	.000661	.001265	27	.000693	.001339
27	.002205	.004600	27	.001259	.002524	28	.001308	.002647
28	.003832	.008432	28	.002281	.004806	29	.002352	.004999
29	.006343	.014775	29	.003936	.008741	30	.004031	.009029
30	.010008	.024783	30	.006473	.015214	31	.006591	.015620
31	.015065	.039848	31	.010157	.025371	32	.010291	.025911
32	.021656	.061504	32	.015219	.040590	33	.015356	.041267
33	.029750	.091253	33	.021793	.062384	34	.021912	.063179
34	.039083	.130336	34	.029843	.092227	35	.029922	.093101
35	.049133	.179469	35	.039107	.131334	36	.039122	.132222
36	.059141	.238610	36	.049068	.180402	37	.049002	.181225
37	.068199	.306810	37	.058981	.239383	38	.058830	.240054
38	.075378	.382187	38	.067951	.307334	39	.067724	.307779
39	.079888	.462075	39	.075088	.382403	40	.074789	.382567
40	.081219	.543294	40	.079553	.46156	41	.079254	.461822
41	.079239	.622533	41	.080902	.542858	42	.080621	.542443
42	.071208	.696741	42	.078976	.621834	43	.078746	.621189
43	.066729	.763470	43	.074026	.695860	44	.073871	.695059
44	.057630	.821100	44	.066641	.762500	45	.066569	.761628
45	.047811	.868911	45	.057630	.820130	46	.057636	.819264
46	.038111	.907022	46	.047883	.868013	47	.047953	.867217
47	.029191	.936213	47	.038230	.906243	48	.038341	.905558
48	.021488	.957700	48	.029334	.935578	49	.029464	.935022
49	.015202	.972903	49	.021633	.957211	50	.021763	.956785
50	.010338	.983240	50	.015334	.972544	51	.015450	.972236
51	.006757	.989997	51	.010447	.982991	52	.010543	.982778
52	.004245	.994241	52	.006841	.989832	53	.006914	.989693
53	.002563	.996804	53	.004305	.994137	54	.004358	.994050
54	.001487	.998291	54	.002604	.996741	55	.002639	.996690
55	.000829	.999120	55	.001513	.998254	56	.001536	.998225
56	.000444	.999564	56	.000845	.999099	57	.000858	.999084
57	.000229	.999793	57	.000453	.999553	58	.000461	.999545
58	.000113	.999906	58	.000234	.999786	59	.000238	.999782
59	.000054	.999960	59	.000116	.999902	60	.000118	.999900
60	.000024	.999984	60	.000055	.999957	61	.000056	.999956
61	.000011	.999995	61	.000025	.999982	62	.000025	.999981
62	.000004	.999999	62	.000011	.999993	63	.000011	.999992
63	.000002	1.000001	63	.000005	.999997	64	.000005	.999997
64	.000001	1.000002	64	.000002	.999999	65	.000002	.999999
			65	.000001	1.000000	66	.000001	.999999
			66	.000000	1.000000	67	.000000	1.000000

n=
100

50-100 BINOMIAL TABLES

p=.43			p=.44			p=.45		
x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
20	.000001	.000001	21	.000001	.000001	22	.000001	.000001
21	.000002	.000003	22	.000002	.000003	23	.000003	.000004
22	.000006	.000009	23	.000006	.000010	24	.000007	.000011
23	.000015	.000024	24	.000016	.000026	25	.000017	.000028
24	.000036	.000059	25	.000038	.000064	26	.000041	.000069
25	.000082	.000141	26	.000087	.000151	27	.000092	.000162
26	.000178	.000319	27	.000188	.000339	28	.000197	.000359
27	.000367	.000686	28	.000385	.000724	29	.000401	.000760
28	.000723	.001409	29	.000750	.001474	30	.000776	.001535
29	.001354	.002762	30	.001395	.002870	31	.001433	.002968
30	.002417	.005179	31	.002476	.005345	32	.002528	.005497
31	.004117	.009296	32	.004194	.009539	33	.004263	.009760
32	.006697	.015993	33	.006791	.016330	34	.006873	.016632
33	.010410	.026402	34	.010514	.026844	35	.010604	.027236
34	.015475	.041878	35	.015578	.042422	36	.015664	.042900
35	.022014	.063892	36	.022099	.064521	37	.022169	.065069
36	.029985	.093877	37	.030035	.094556	38	.030071	.095140
37	.039127	.133004	38	.039124	.133680	39	.039113	.134254
38	.048936	.181940	39	.048870	.182550	40	.048803	.183057
39	.058688	.240629	40	.058556	.241106	41	.058434	.241490
40	.067517	.308146	41	.067329	.308436	42	.067161	.308651
41	.074538	.382683	42	.074314	.382750	43	.074118	.382769
42	.078990	.461675	43	.078758	.461508	44	.078559	.461329
43	.080376	.542049	44	.080165	.541673	45	.079988	.541316
44	.078549	.620598	45	.078383	.620056	46	.078249	.619565
45	.073741	.694339	46	.073637	.693693	47	.073557	.693122
46	.066513	.760852	47	.066474	.760167	48	.066452	.759573
47	.057650	.818502	48	.057670	.817838	49	.057698	.817272
48	.048020	.866522	49	.048087	.865924	50	.048152	.865424
49	.038444	.904966	50	.038538	.904462	51	.048625	.904049
50	.029581	.934548	51	.029686	.934149	52	.029779	.933827
51	.021878	.956426	52	.021979	.956128	53	.022066	.955893
52	.015562	.971978	53	.015640	.971768	54	.015714	.971607
53	.010626	.982604	54	.010696	.982464	55	.010753	.982360
54	.006977	.989581	55	.007029	.989492	56	.007070	.989429
55	.004402	.993983	56	.004438	.993930	57	.004465	.993894
56	.002668	.996651	57	.002692	.996621	58	.002708	.996603
57	.001554	.998205	58	.001568	.998189	59	.001577	.998180
58	.000869	.999074	59	.000877	.999066	60	.000882	.999062
59	.000467	.999541	60	.000471	.999537	61	.000473	.999535
60	.000241	.999782	61	.000245	.999780	62	.000244	.999779
61	.000119	.999901	62	.000120	.999900	63	.000120	.999899
62	.000056	.999957	63	.000057	.999956	64	.000057	.999956
63	.000026	.999983	64	.000026	.999982	65	.000026	.999981
64	.000011	.999994	65	.000011	.999993	66	.000011	.999993
65	.000005	.999999	66	.000005	.999998	67	.000005	.999997
66	.000002	1.000001	67	.000002	1.000000	68	.000002	.999999
67	.000001	1.000001	68	.000001	1.000001	69	.000001	1.000000
68	.000000	1.000002	69	.000000	1.000001	70	.000000	1.000000

50-100 BINOMIAL TABLES

n=

100

p=.46

p=.47

p=.48

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
23	.000001	.000001	24	.000001	.000002	25	.000001	.000002
24	.000003	.000004	25	.000003	.000005	26	.000003	.000005
25	.000008	.000012	26	.000008	.000013	27	.000009	.000014
26	.000019	.000031	27	.000020	.000033	28	.000021	.000035
27	.000044	.000075	28	.000046	.000079	29	.000049	.000084
28	.000097	.000172	29	.000102	.000181	30	.000106	.000190
29	.000086	.000378	30	.000214	.000395	31	.000221	.000411
30	.000415	.000793	31	.000428	.000823	32	.000440	.000851
31	.000799	.001592	32	.000819	.001642	33	.000837	.001687
32	.001467	.003059	33	.001497	.003139	34	.001522	.003209
33	.002575	.005694	34	.002615	.005754	35	.002649	.005858
34	.004322	.009956	35	.004373	.010127	36	.004415	.010273
35	.006943	.016899	36	.007002	.017129	37	.007050	.017323
36	.010679	.027578	37	.010741	.027870	38	.010789	.028112
37	.015735	.043314	38	.015791	.043661	39	.015832	.043943
38	.022223	.065536	39	.022262	.065923	40	.022286	.066229
39	.030095	.095631	40	.030106	.096029	41	.030105	.096335
40	.039095	.134726	41	.039070	.135098	42	.039037	.135372
41	.048737	.183463	42	.048670	.183769	43	.048605	.183976
42	.058321	.241783	43	.058217	.241985	44	.058122	.242098
43	.067011	.308794	44	.066879	.308864	45	.066765	.308863
44	.073949	.382743	45	.073805	.382670	46	.073687	.382551
45	.078392	.461135	46	.078256	.460925	47	.078150	.460701
46	.079844	.540978	47	.079732	.540657	48	.079653	.540353
47	.078145	.619123	48	.078071	.618728	49	.078027	.618380
48	.073502	.692625	49	.073471	.692200	50	.073465	.691846
49	.066446	.759071	50	.066457	.758657	51	.066485	.758330
50	.057734	.816805	51	.057778	.816435	52	.057830	.816160
51	.048217	.865022	52	.048281	.864716	53	.048345	.864505
52	.038704	.903726	53	.038776	.903492	54	.038842	.903347
53	.029860	.935585	54	.029929	.935421	55	.029987	.933334
54	.022139	.955724	55	.022198	.955619	56	.022243	.955577
55	.015773	.971497	56	.015818	.971437	57	.015849	.971426
56	.010797	.982294	57	.010828	.982265	58	.010846	.982272
57	.007100	.989393	58	.007119	.989384	59	.007127	.989399
58	.004484	.993877	59	.004494	.993878	60	.004496	.993895
59	.002719	.996596	60	.002723	.996601	61	.002721	.996616
60	.001583	.998179	61	.001584	.998185	62	.001580	.998196
61	.000884	.999063	62	.000883	.999068	63	.000880	.999076
62	.000474	.999537	63	.000473	.999541	64	.000469	.999546
63	.000243	.999780	64	.000242	.999783	65	.000240	.999786
64	.000120	.999900	65	.000119	.999902	66	.000117	.999903
65			66	.000056	.99998	67	.000055	.999958
66	.000057	.999956	67	.000025	.999983	68	.000025	.999983
67	.000026	.999982	68	.000011	.999994	69	.000010	.999993
68	.000011	.999993	69	.000004	.999998	70	.000004	.999997
69	.000005	.999998	70	.000002	1.000000	71	.000002	.999999
70	.000002	.999999	71	.000001	1.000001	72	.000001	1.000000
71			72	.000000	1.000001			

n=

50-100 BINOMIAL TABLES

100

p=.49

x	Individual Term	Cumulative (x or less)
25	.000001	.000001
26	.000001	.000002
27	.000004	.000006
28	.000009	.000015
29	.000022	.000037
30	.000051	.000088
31	.000110	.000197
32	.000227	.000425
33	.000450	.000874
34	.000852	.001726
35	.001543	.003269
36	.002677	.005946
37	.004448	.010394
38	.007086	.017480
39	.010823	.026303
40	.015858	.044161
41	.022296	.066457
42	.030093	.096549
43	.038998	.135548
44	.048539	.184087
45	.058036	.242123
46	.066669	.308792
47	.073595	.382387
48	.078074	.460461
49	.079005	.540067
50	.078013	.618080
51	.073484	.691564
52	.066529	.758093
53	.057890	.815983
54	.048410	.864393
55	.038900	.903293
56	.030033	.933326
57	.022275	.955601
58	.015866	.971467
59	.010852	.982319
60	.007125	.989443
61	.004489	.993932
62	.002713	.996645
63	.001572	.998217
64	.000973	.999090
65	.000465	.999555
66	.000237	.999791
67	.000115	.999907
68	.000054	.999961
69	.000024	.999985
70	.000010	.999995
71	.000004	.999999
72	.000002	1.000001
73	.000001	1.000001
74	.000000	1.000001

p=.50

x	Individual Term	Cumulative (x or less)
25	.000001	.000001
26	.000002	.000002
27	.000002	.000002
28	.000004	.000006
29	.000010	.000016
30	.000023	.000039
31	.000052	.000091
32	.000113	.000204
33	.000232	.000437
34	.000458	.000895
35	.000864	.001758
36	.001560	.003318
37	.002698	.006016
38	.004473	.010489
39	.007111	.017600
40	.010844	.028444
41	.015869	.044313
42	.022292	.066605
43	.030069	.096674
44	.038953	.135626
45	.048474	.184101
46	.057958	.242059
47	.066590	.308649
48	.073527	.382176
49	.078029	.460205
50	.079589	.539794
51	.078029	.617833
52	.073527	.691350
53	.066590	.757940
54	.057958	.815899
55	.048474	.864373
56	.058953	.903326
57	.030069	.933394
58	.022292	.955686
59	.015869	.971556
60	.010844	.982399
61	.007111	.989510
62	.004473	.993983
63	.002698	.996681
64	.001560	.998241
65	.000864	.999105
66	.000458	.999563
67	.000232	.999795
68	.000113	.999908
69	.000052	.999960
70	.000023	.999983
71	.000010	.999993
72	.000004	.999997
73	.000002	.999999
74	.000001	.999999
75	.000000	1.000000

